

**RECEIVED**  
MAR 16 2007

## 100/300 AREA UNIT MANAGER MEETING

## ATTENDANCE AND DISTRIBUTION

February 8, 2007

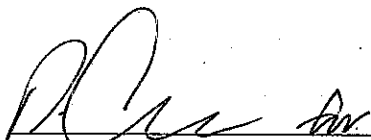
EDMC

NAME	E-MAIL ADDRESS	MSIN	COMP	SIGNATURE
Cook, Sylvia	Original +1 copy	H6-08	ADREC	N/A
Bazzell, Kevin D	Kevin_D_Bazzell@rl.gov	A3-04	DOE	
Charboneau, Briant L	Briant_L_Charboneau@rl.gov	A6-33	DOE	
Clark, Clifford E	Clifford_E_Cliff_Clark@rl.gov	A5-15	DOE	
Guercia, Rudolph F	Rudolph_F_Rudy_Guercia@rl.gov	A3-04	DOE	
Hanson, James P	James_P_Hanson@rl.gov	A5-13	DOE	
Hildebrand, R Doug	R_D_Doug_Hildebrand@rl.gov	A6-38	DOE	
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Morse, John G	John_G_Morse@rl.gov	A6-11	DOE	
Sands, John P	John_P_Sands@rl.gov	A3-04	DOE	
Smith, Chris	Douglas_C_Chris_Smith@rl.gov	A3-04	DOE	
Thompson, Mike	K_M_Mike_Thompson@rl.gov	A6-38	DOE	
Tortoso, Arlene C	Arlene_C_Tortoso@rl.gov	A6-38	DOE	
Westover, Kent R	Kent_R_Westover@rl.gov	A3-04	DOE	
Zeisloft, Jamie	Jamie_Zeisloft@rl.gov	A3-04	DOE	
Ayres, Jeffrey M	JAYR461@ECY.WA.GOV	H0-57	ECO	
Bond, Fredrick W	FBON461@ECY.WA.GOV	H0-57	ECO	
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Price, John	JPRI461@ECY.WA.GOV	H0-57	ECO	
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Shea, Jacqueline	JASH461@ECY.WA.GOV	H0-57	ECO	
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Whalen, Cheryl	CWHA461@ECY.WA.GOV	H0-57	ECO	
Boyd, Alicia	BOYD.ALICIA@EPA.GOV	B1-46	EPA	
Faulk, Dennis A	FAULK.DENNIS@EPA.GOV	B1-46	EPA	
Gadbois, Larry E	GADBOIS.LARRY@EPA.GOV	B1-46	EPA	
Lobos, Rod	LOBOS.ROD@EPA.GOV	B1-46	EPA	

100/300 AREA UNIT MANAGERS MEETING  
APPROVAL OF MINUTES

February 8, 2007

APPROVAL:



Kevin D. Bazzell, DOE/RL (A3-04)  
River Corridor Project Manager

Date

3/05/07

APPROVAL:

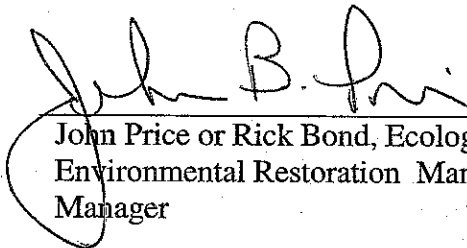


Briant Charboneau, DOE/RL (A6-33)  
Groundwater Project Manager

Date

3/05/07

APPROVAL:



John Price or Rick Bond, Ecology (H0-57)  
Environmental Restoration Manager or D4  
Manager

Date

3-March-2007

APPROVAL:

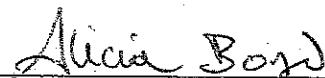


Larry Gadbois or Dennis Faulk, EPA  
(B1-46)  
100 Aggregate Area Unit Manager

Date

3-05-2007

APPROVAL:



Alicia Boyd, EPA (B1-46)  
300 Aggregate Area Unit Manager

Date

3-05-07

## 100 & 300 AREA UNIT MANAGER MEETING MINUTES

Groundwater, Source Operable Units, Facility (D4 and ISS), and End States and Final Closure

February 8, 2007

Washington Closure Hanford (WCH) Building, 2620 Fermi Drive, Richland, Washington

### ADMINISTRATIVE

- Next Unit Manager Meeting (UMM) - The March 8, 2007 UMM was cancelled. The next meeting will be held April 12, 2007 at the Washington Closure Hanford (WCH) Office Building, 2620 Fermi Avenue, room A110.
- Quorum - A quorum of Tri-Party project managers was present to conduct the business of the Unit Managers Meeting.
- Attendees/Delegations - Attachment A is the list of attendees. Attachment B documents any delegations received from the regulatory agencies.
- Approval of Minutes - The January 11, 2007 meeting minutes were approved by the U.S. Environmental Protection Agency (EPA), Washington State Department of Ecology (Ecology), and U.S. Department of Energy, Richland Operations Office (RL).
- Action Item Status - Status of action items was performed, and updates provided (Attachment C).  
Agreement: The Tri-Parties agreed to remove the closed action items, and only list the open action items for the next meeting.
- Agenda: Attachment D is the meeting agenda.

### EXECUTIVE SESSION (Tri-Parties Only)

Executive session was cancelled.

### 100 AREA GROUNDWATER

Attachment 1 provides a status or information. No issues were identified, no agreements were documented, and no action items were documented.

Recognition: EPA expressed their appreciation of the efforts by RL and Fluor Hanford in the start-up of the KW reactor pump and treat system.

### 300 AREA GROUNDWATER

Attachment 1 provides a status or information. No issues were identified, no agreements were documented, and no action items were documented.

### GROUNDWATER/SOURCE OPERABLE UNIT INTEGRATION

No issues were identified, no agreements were documented, and no action items were documented.

#### 100 AREA FIELD REMEDIATION CLOSURE

Attachments 2, 3, 4, and 5 provide a status or information for various projects in the 100 Area Field Remediation (FR) Project. Attachment 2 covers sampling and design. Attachment 3 covers 100-B/C, Attachment 4 documents an agreement at 100-B/C, and Attachment 5 covers 118-K-1. No issues were identified.

Agreement: Attachment 4 documents an agreement from EPA on the backfill concurrence of the 118-C-1 burial ground waste site.

Action: RL will develop proposed changes to the verification sampling approach for tritium in soil.

#### 300 AREA FIELD REMEDIATION CLOSURE

Attachment 6 provides a status or information. No issues were identified, and no agreements were documented.

Action: EPA requested a meeting on 618-7 to be scheduled, and to include the Washington State Department of Health.

#### DEACTIVATION, DECONTAMINATION, DECOMMISSION, DEMOLITION (D4)

Attachment 7 provides a status or information for the 100 Area, while Attachment 8 provides a status or information for the 300 Area. No issues were identified, no agreements were documented, and no actions items were documented.

Agreement: Attachment 5 documents approval from Ecology on the 107-N Treatment Plan.

#### INTERIM SAFE STORAGE (ISS)

Attachment 9 provides a status or information. No issues were identified, no agreements were documented, and no actions were documented.

#### END STATES AND FINAL CLOSURE PROJECT

Attachment 10 provides a status or information. No issues were identified, and no actions were documented.

Agreement: Attachment 11 documents an agreement from EPA and Ecology regarding the "Inter-Areas Shoreline Risk Assessment" surface water sample collected at a slough near Energy Northwest.

#### SPECIAL TOPICS

No issues were identified, no agreements were documented, and no action items were documented.

## **Attachment A**

Borghese, Jane V	Jane_V_Borghese@rl.gov	E6-35	FH	<i>Jane V Borghese</i>
Fabre, Russel J	Russel_J_Fabre@rl.gov	E6-35	FH	<i>Russel J Fabre</i>
Jackson, Ron	Ronald_L_Jackson@rl.gov	E6-35	FH	
Piippo, Rob	Robert_E_Piippo@rl.gov	H8-12	FH	
Winterhalder, John A	John_A_Winterhalder@rl.gov	E6-35	FH	
Fruchter, Jonathan S	john.fruchter@pnl.gov	K6-96	PNNL	
Hartman, Mary J	mary.hartman@pnl.gov	K6-96	PNNL	
Luttrell, Stuart P		K6-96	PNNL	<i>Robert E Peterson</i>
Peterson, Robert E	robert.peterson@pnl.gov	K6-75	PNNL	
Cimon, Shelly	scimon@oregontrail.net		Oregon	
Lilligren, Sandra	sandral@nezperce.org		TRIBES	
Bignell, Dale	Dale.Bignell@wch-rcc.com	H4-25	WCH	
Buckmaster, Mark A	mark.buckmaster@wch-rcc.com	X9-07	WCH	
Callison, Stacey W	stacey.callison@wch-rcc.com	X9-07	WCH	
Carlson, Richard A	richard.carlson@wch-rcc.com	X4-08	WCH	
Clapper, Nicholas	Nicholas.clapper@wch-rcc.com	X3-16	WCH	
Clark, Steven W	steven.clark@wch-rcc.com	H4-23	WCH	
Corpuz, Franklin M	franklin.corpuz@wch-rcc.com	L6-06	WCH	
Darby, John W	john.darby@wch-rcc.com	L6-06	WCH	
DeLozier, Mary P (Fran)	fran.delozier@wch-rcc.com	H4-22	WCH	<i>Fran DeLozier</i>
Dieterle, Steven E	steven.dieterle@wch-rcc.com	L1-04	WCH	
Dietz, Linda A	linda.dietz@wch-rcc.com	H4-22	WCH	<i>Linda A Dietz</i>
Dittmer, Lorna M	lorna.dittmer@wch-rcc.com	H4-23	WCH	
Donnelly, Jack W	jack.donnelly@wch-rcc.com	H4-22	WCH	
Fancher, Jonathan D (Jon)	jon.fancher@wch-rcc.com	X9-08	WCH	
Gano, Kenneth A (Ken)	kenneth.gano@wch-rcc.com	H4-21	WCH	
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Hadley, Karl A	karl.hadley@wch-rcc.com	X0-18	WCH	
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Hulstrom, Larry C	larry.hulstrom@wch-rcc.com	H4-22	WCH	
Koegler, Kim J	kim.koegler@wch-rcc.com	L1-07	WCH	
Landon, Roger J	roger.landon@wch-rcc.com	H4-21	WCH	<i>Roger J Landon</i>
LaRue, Deena N	deena.larue@wch-rcc.com	H4-15	WCH	<i>John D Lerch</i>
Lerch, Jeffrey A	jeffrey.lerch@wch-rcc.com	H4-22	WCH	
Ludowise, John D	john.ludowise@wch-rcc.com	X4-08	WCH	
Miller, Larry R (Rex)	rex.miller@wch-rcc.com	X4-08	WCH	



## **Attachment B**



**Donnelly, Jack W****From:** Bazzell, Kevin D [Kevin\_D\_Bazzell@RL.gov]**Sent:** Wednesday, February 07, 2007 4:01 PM

**To:** Donnelly, Jack W; Ayres, Jeff; Bignell, Dale T; Bond, Rick; Borghese, Jane V; Boyd, Alicia; Brosee, Manfred N (Neil); Buckmaster, Mark A; Callison, Stacey W; Carlson, Richard A; Charboneau, Briant L; scimon@oregontrail.net; Clark, Clifford E (Cliff); Clark, Steven W; Corpuz, Franklin M; Darby, John W (300 Area TL); DeLozier, Mary P (Fran); Dieterle, Steven E; Dietz, Linda A; Dittmer, Lorna M; Fabre, Russel J; Fancher, Jonathan D (Jon); Faulk, Dennis (EPA); Fruchter, Jonathan S; Gadbois, Larry (EPA); Gano, Kenneth A (Ken); Golden, James W; Goswami, Dibakar; Guercia, Rudolph F (Rudy); Hadley, Karl A; Hartman, Mary J; Hedel, Charles W; Huckaby, Alisa D; Hulstrom, Larry C; Jackson, Ronald L; Johnson, Vernon G; mjon461@ecy.wa.gov; Koegler, Kim J; Landon, Roger J; LaRue, Deena N; Lerch, Jeffrey A; sandral@nezperce.org; Lobos, Rod; Ludowise, John D; Miller, Larry R (Rex); Morse, John G; Obenauer, Dale F; Ovink, Roger W; Parnell, Scott E; Peterson, Robert E; Piippo, Robert E; Price, John (ECY); Proctor, Megan L; Queen, Jackie M; Rochette, Beth; Sands, John P; Jash461@ecy.wa.gov; Saueressig, Daniel G; Smet, Ann K (Annie); Smith, Douglas C (Chris); Smith-Jackson, Noel; Strom, Dean N; Swartz, Joseph M (Mike); Thompson, K M (Mike); Thomson, Jill E; Tortoso, Arlene C; Vanni, Jeanne; Weiss, Stephen G; Vedder, Barry L; Westover, Kent R; Cwha461@ecy.wa.gov; Winterhalder, John A; Yasek, Donna M; Zeisloft, Jamie

**Subject:** RE: 100/300 Area Unit Manager Meeting (Feb. 8, 2007)

Jack,

I will not be available to attend the February 8th 100/300 Area UMM. In accordance with the allowances of TPA Action Plan, Section 4.1, I delegate my River Corridor Closure Project (RCCP) authority and responsibilities to Chris Smith.

Thanks,

Kevin

**From:** Donnelly, Jack W [mailto:jack.donnelly@wch-rcc.com]**Sent:** Wednesday, February 07, 2007 3:55 PM

**To:** Donnelly, Jack W; Ayres, Jeff; Bazzell, Kevin D; Bignell, Dale T; Bond, Rick; Borghese, Jane V; Boyd, Alicia; Brosee, Manfred N (Neil); Buckmaster, Mark A; Callison, Stacey W; Carlson, Richard A; Charboneau, Briant L; 'scimon@oregontrail.net'; Clark, Clifford E (Cliff); Clark, Steven W; Corpuz, Franklin M; Darby, John W (300 Area TL); DeLozier, Mary P (Fran); Dieterle, Steven E; Dietz, Linda A; Dittmer, Lorna M; Fabre, Russel J; Fancher, Jonathan D (Jon); Faulk, Dennis (EPA); Fruchter, Jonathan S; Gadbois, Larry (EPA); Gano, Kenneth A (Ken); Golden, James W; Goswami, Dibakar; Guercia, Rudolph F (Rudy); Hadley, Karl A; Hartman, Mary J; Hedel, Charles W; Huckaby, Alisa D; Hulstrom, Larry C; Jackson, Ronald L; Johnson, Vernon G; 'mjon461@ecy.wa.gov'; Koegler, Kim J; Landon, Roger J; LaRue, Deena N; Lerch, Jeffrey A; 'sandra@nezperce.org'; Lobos, Rod; Ludowise, John D; Miller, Larry R (Rex); Morse, John G; Obenauer, Dale F; Ovink, Roger W; Parnell, Scott E; Peterson, Robert E; Piippo, Robert E; Price, John (ECY); Proctor, Megan L; Queen, Jackie M; Rochette, Beth; Sands, John P; 'Jash461@ecy.wa.gov'; Saueressig, Daniel G; Smet, Ann K (Annie); Smith, Douglas C (Chris); Smith-Jackson, Noel; Strom, Dean N; Swartz, Joseph M (Mike); Thompson, K M (Mike); Thomson, Jill E; Tortoso, Arlene C; Vanni, Jeanne; Weiss, Stephen G; Vedder, Barry L; Westover, Kent R; 'Cwha461@ecy.wa.gov'; Winterhalder, John A; Yasek, Donna M; Zeisloft, Jamie

**Subject:** 100/300 Area Unit Manager Meeting (Feb. 8, 2007)

Good afternoon:

2/7/2007

Attached is the final agenda for the Unit Manager Meeting scheduled for tomorrow February 8, 2007 from 1:00 p.m. to 4:30 p.m. at 2620 Fermi Avenue (Washington Closure Hanford LLC Building) in Room C209. Also attached is the action item list. For those having action items please be prepared to provide a status.

There are no executive session topics for tomorrow's meeting so the meeting will start at 2:00 as previously scheduled.

For those who need to delegate authority and are unable to attend, please send your delegation for the minutes. Additionally, for those providing handouts and summaries please bring extra copies.

Respectfully, Jack Donnelly  
372-9834

<<UMM-02-08-07 Agenda.doc>> <<UMM2-08-07 100-300 UMM Action List.xls>>

**Donnelly, Jack W**

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**From:** Bond, Rick (ECY) [FBON461@ECY.WA.GOV]

**Sent:** Wednesday, February 07, 2007 4:11 PM

**To:** Donnelly, Jack W

**Subject:** 100/300 UMM Delegation of Authority

Jack,

I will not be available to attend the February 8th 100/300 Area UMM. In accordance with the allowances of TPA Action Plan, Section 4.1, I delegate my River Corridor Closure Project (RCCP) authority and responsibilities to Jeff Ayres.

Thanks,

***Rick Bond***

Facility Transition Project Manager  
Washington State Department of Ecology  
3100 Port of Benton Richland, WA99354  
(509) 372-7885  
e-mail: FBON461@ECY.WA.GOV

**Donnelly, Jack W**

---

**From:** Price, John (ECY) [Jpri461@ECY.WA.GOV]  
**Sent:** Thursday, February 22, 2007 10:50 AM  
**To:** Bazzell, Kevin D; Charboneau, Briant L; Romine, Larry D; Cameron, Craig (EPA); Gadbois, Larry (EPA); Faulk, Dennis (EPA); Lobos, Rod; Boyd, Alicia  
**Cc:** ECY DL RO CLEANUP; ECY DL RO WASTE MGMT; Goldstein, Larry (ECY); Leary, Kevin D; Thompson, K M (Mike); Byrnes, Mark E; Tortoso, Arlene C; Donnelly, Jack W; Winterhalder, John A  
**Subject:** Delegation of 100 and 200 Are TPA Project Manager for February 23 - March 5

I will be absent from the Hanford site from 8am February 23 through 8am March 5. During that period I am delegating my TPA Project Manager authority and responsibility in accordance with Section 4.1 of the TPA Action Plan. The delegate for the 100 Area is Mandy Jones (372-7916) and the delegate for the 200 Area is Jennie Seaver (372-7956). They each have the necessary experience and capability.

The delegated operable units are TSDs are as follows:

100 Area (Mandy Jones): 100-DR-1, 100-DR-2, 100-HR-1, 100-HR-2, 100-HR-3, 100-NR-2, 1301-N, 1325-N, 1324-N/NA, 183-H, 1706-KE. Also the 300 Area Process Trenches.

200 Area (Jennie Seaver): 200-CS-1, 200-CW-1, 200-IS-1, 200-LW-1, 200-LW-2, 200-PO-1, 200-PW-2, 200-PW-4, 200-ST-1, 200-UP-1, 200-SW-1, 200-SW-2, 200-TW-2, 200-UR-1, 200-UW-1, 216-A-10, 216-A-29, 216-A-36B, 216-A-37-1, 216-B-3, 241-CX-70, 216-B-63, 216-S-10 Pond and Ditch, 216-U-12, 276-S-141, 276-S-142.

## **Attachment C**

## 100/300 Area UMM

## Action List

Feb. 8, 2007

Open (O)/ Closed (X)	Action No.	Co.	Actionee	Project	Action Description	Status
X	100-003	RL	K. Bazzell	Field Remediation Closure	EPA and Ecology request DOE prepare a schedule for cleanup of the 200-CW-3 waste sites listed in the 100 Area Remaining Site Record of Decision.	Open: 7/13/06; Action: Closed 12/14/2006.
X	100-004	WC	L. Dittmer	Sample Design and Cleanup Verification	Present an errata sheet to provide consistent tritium cleanup levels between the 100 Area Burial Ground SAP and the 100 Area SAP.	Open: 7/31/06; Action: Closed 11/9/2006.
X	100-005	RL	K. Bazzell	General RCCC	EPA and Ecology request a meeting with the DOE person who can approve/disapprove language in the 100 Area Remedial Design Report. (Action associated with a proposed revision to the RDR to include descriptive language on ecorisk screening.)	Open: 7/13/06; Action: Closed 11/9/2006.
O	100-005B	EPA	L. Gadbois	General RCCC	Revise the 100 Area RDR to include more specific language on the methodology and process for conducting ecological risk screening during closeout process.	Open: 9/14/06; Action: Proposed language presented at 1/11/07 UMM. Changes are being discussed; EPA agrees with changes, Ecology wished to have further review.
X	100-006	RL	J. Zeisloft	100-K Field Remediation	RL to provide EPA and Ecology a copy of the NorthWind Characterization Report for 118-K-1.	Open: 7/13/06; Action: Completed 10/26/06
X	100-007	RL	J. Zeisloft	100-K Field Remediation	RL provide EPA and Ecology the status of the AMEC Report on 118-K-1.	Open: 7/13/06; Closed: 8/10/06 Action did not occur.

## 100/300 Area UMM

## Action List

Feb. 8, 2007

Open (O)/ Closed (X)	Action No.	Co.	Actionee	Project	Action Description	Status
X	100-008	RL	K. Bazzell	Field Remediation	Provide WCH direction to evaluate other, existing, options for handling bottles containing liquids that are unearthed during remedial actions. Evaluate what is being done at other sites (Brookhaven; Sandia; DOE Lessons Learned website); evaluate how HAZM	Open: 9/14/06; Action: Completed 10/2/06
X	100-009	RL	R. Guercia	100-K D4	Send a copy of a building completion report (a quarterly report prepared to satisfy the DOE Order to take a facility "off the books.") as an alternate format of retrievable documentation.	Open: 9/14/06; Action: Complete 9/15/06
X	300-002	PN	B. Peterson M. Hartman	300-FF-5 Groundwater	Invite Jacqui Shea (Ecology), Alica Huckaby (Ecology), Alicia Boyd (EPA) to the September 300 Area aquifer tube sampling event.	Open: 7/13/06; Action: Completed 9/5/06
X	100-110	ECY	J. Price	100-H	John Price (Ecology) will send Kent Westover (RL) an email after looking at the information on the 116-H-4 table provided at the 10/12/06 UMM.	Open: 10/12/06; Action: Completed 10/13/06
X	100-111	RL	K. Westover	RCC General	RL shall propose a process for resolving sampling approaches where Ecology and RL differ, and multiple attempts at a technical level are exchanged without resolution.	Open: 10/12/06; Action: Ecology and RL agreed to close item; action closed 2/8/07.
O	100-112	RL	B. Charboneau	100-HR-3	RL will respond to Ecology's email request on the data and analysis request regarding the 100-HR-3 system.	Open: 10/12/06; Action: Data was provided, & Ecology is reviewing.

## 100/300 Area UMM

## Action List

Feb. 8, 2007

Open (O)/ Closed (X)	Action No.	Co.	Actionee	Project	Action Description	Status
X	100-113	ECY	J. Price	100-HR-3	John Price will respond to RL's request to submit an annual report for the ISRM system versus a quarterly report. However, monthly data will still be sent to Ecology.	Open: 10/12/06; Action: Ecology approval documented in minutes. Completed 11/9/2006.
X	100-114	RL	B. Charboneau	Unknown	RL will send Ecology the schedule for the EM-22 Treatability Test Report	Open: 10/12/06; Action: Schedule entered into minutes. Completed 11/9/2006.
X	100-115	RL	B. Charboneau	100-D	RL will send Ecology the plans/actions for the 182-D Reservoir.	Open: 10/12/06; actions documented in minutes. Completed 11/9/2006.
X	100-116	RL	J. Zeisloft	100-D	RL and Ecology shall talk about the liquid removal from the 100-D-56 pipe.	Open: 10/12/06; Action: Completed 11/9/2006
X	100-117	ECY	J. Price	100-N	Ecology shall review the revegetation proposal for the 116-N-1 site and provide feedback.	Open: 10/12/06; Action: Proposal approved in minutes. Completed 11/9/2006.
X	100-118	ECY	J. Price	100-D	Ecology shall review the 100-D-56 chromium treatment plan	Open: 10/12/06; Action: Ecology submitted comments. Completed 11/9/2006.



## 100/300 Area UMM

## Action List

Feb. 8, 2007

Open (O)/ Closed (X)	Action No.	Co.	Actionee	Project	Action Description	Status
X	300-003	RL	C. Smith	300-FF-2	RL shall provide EPA with the contamination control measures to move the MO-905 trailer within the onsite area.	Open: 10/12/06; Action: Completed 10/18/2006
O	100-119	RL	J. Morse	100-HR-3	RL (John Morse) will set up a meeting with Ecology (John Price) on overall long-term picture for 100-HR-3.	Open: 11/9/06; Action: RL is scheduling a meeting in March 2007
O	100-120	RL	J. Morse	100-HR-3	RL (John Morse) will provide Ecology (Mandy Jones) with the 100-D well installation schedule, as well as the EM-22 Treatability Test well installation plans.	Open: 11/9/06; Action: RL to set up meeting in March 2007 to provide the schedule.
X	100-121	RL	J. Morse	100-FR-3	RL (John Morse) will provide EPA (Rod Lobos) with the Contaminates of Concern (COCs) plot for each well in 100-FR-3, including a list of wells sampled in October 2006 and those scheduled to be sampled in November 2006.	Open: 11/9/06; Action: Closed 12/14/2006
X	100-122	RL	J. Zeisloft	100-D	RL (Jamie Zeisloft) will set up a meeting with Ecology on the holistic 100-D characterization approach.	Open: 11/9/06; Action: Meeting was held; action closed 2/8/07.
X	100-123	RL	J. Zeisloft	100-D	RL (Jamie Zeisloft) will provide Ecology (Mandy Jones) with the overall 100-D project remediation schedule.	Open: 11/9/06; Action: Closed 12/14/2006
X	300-004	RL	C. Smith	618-10/11	RL (Chris Smith) will set up a meeting with EPA to discuss the M-16-67 milestone for 618-10/11 to ensure there are no issues with the design solution and completing the milestone.	Open: 11/9/06; Action: Closed 12/14/2006

## 100/300 Area UMM

## Action List

Feb. 8, 2007

Open (O)/ Closed (X)	Action No.	Co.	Actionee	Project	Action Description	Status
O	100-124	RL	K. Westover	General RCC	RL to evaluate whether it endorses use of analogous sites for site closeout (proposed by WCH), and communicate its opinion to Ecology and EPA. As a first step, RL will set up a meeting to focus on a current example of a waste site being proposed for closeout using this approach.	Open:12/14/06; Action: Remains Open
O	100-125	RL	K. Bazzell	General RCC	RL to meet with EPA and Ecology on what systems or processes are in place to track remedial action costs for waste site closeout. Remedial Action Closeout Reports will capture this information but EPA and Ecology want to hear an update since the development of the 300-FF-1 Remedial Action Report (DOE/RL-2004-74, Rev. 0).	Open:12/14/06; Action: RL will conduct a briefing in March/April 2007.
X	100-126	RL	J.Morse	General RCC	RL (John Morse) will provide EPA with "DAVE" access.	Open:12/14/06; Action: Closed 1/11/07
X	100-127	RL	C. Smith	100-B/C	RL (Chris Smith) will provide EPA with the spent nuclear fuel disposition schedule for 100-B/C.	Open:12/14/06; Action: Closed 1/11/07
X	300-005	RL	R. Guercia	300 Area D4	RL shall provide EPA with status on the 324/327 building demolition strategy.	Open:12/14/06; Action: Closed 1/11/07
O	300-006	RL	R. Guercia	300 Area D4	The Tri-Parties will develop a process for closing out D4 actions where no known waste site is under the building, and no releases to soil are documented or expected based on existing data.	Open: 1/11/07; Action: RL will set up a meeting with EPA and Ecology to discuss.
O	100-128	RL	K. Westover	100-N	RL (Kent Westover) will follow up with Ecology (John Price) on the D4 work on structures and the removal of small section of inlet piping to 1301-N.	Open: 1/11/07; Action:

## 100/300 Area UMM

## Action List

Feb. 8, 2007

Open (O)/ Closed (X)	Action No.	Co.	Actionee	Project	Action Description	Status
X	100-129	RL	J. Morse	100-K	RL (John Morse) will provide EPA with a copy of "The KW Pump and Treat System Remedial Design and Remedial Action Work Plan, Supplement to the 100-KR-4 Groundwater Operable Unit Interim Action," DOE/RL-2006-52, Rev. 1.	Open: 1/11/07; Action: Closed 1/11/07
O	100-130	EPA	L. Gadbois	100 Areas	EPA and Ecology to discuss footnote in Cleanup Verification Packages/Remaining Site Cleanup Verification Packages (CVP/RSVPs) for immobile contaminants as related to the footnote stated in the Remedial Design Report/Remedial Action Work Plan for immobile contaminants.	Open: 1/11/07; Action: RL will set up a meeting with Ecology in late Feb. or early March 2007.
X	100-131	RL	C. Smith	100 Areas	Ecology requests RL for an updated schedule on remediation designs and sampling work instructions through June 2009.	Open: 1/11/07; Action: Information provided; action closed 2/8/07.
O	100-132	RL	C. Smith	100 Areas	RL will develop proposed changes to the verification sampling approach for tritium in soil.	Open: 2/8/07; Action:
O	300-007	RL	C. Smith	300 Area	EPA requested a meeting on 618-7 to be scheduled, and to include the Washington State Department of Health.	Open: 2/8/07; Action:

## **Attachment D**

100/300 Area Unit Manager Meeting  
February 8, 2007  
Washington Closure Hanford Building  
2620 Fermi Avenue, Richland, WA 99352  
Room C209  
1:00-4:30 p.m.

1:00 - 1:50 p.m. Executive Session (Tri-Parties Only):

2:00 p.m. - 2:20 p.m. Administrative:

- Approval and signing of previous meeting minutes (January 2007)
- Update to Action Items
- Next UMM (03/08/2007)

2:20 - 4:30 p.m. Open Session: Project Updates:

- 100/300 Area Groundwater
- 100/300 Area Field Remediation and Closure (FR)
  - Sampling and FR Design (Lorna Dittmer/Rich Carlson)
    - Ecological Risk Language in RDR
  - 100-B/C (Dean Strom)
  - 118-K-1 (Dale Obenauer)
  - 100-D (Mark Buckmaster)
  - 100-H (Jack Donnelly)
  - 100-N (Scott Parnell)
  - 100-F (Jon Fancher)
  - 300-FF-2 (John Darby)
  - 618-10/11 (Scott Parnell)
- D4 (100/300 Area)
- Interim Safe Storage (ISS)
- End States and Final Closure
  - Inner Areas Risk Assessment Surface Water Sample
- Special Topics
  - Follow-up on 100 Area RDR Revision

## **Attachment 1**

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## 100/300 Areas Unit Managers Meeting for February 8, 2007

### 100-NR-2 Groundwater OU - Russ Fabre

#### Apatite Pilot Test #1 (199-N-138)

- Sampling has been delayed due to freezing weather conditions
- Strontium-90 sequestration performance monitoring will continue bi-monthly (weather permitting).

#### Apatite Pilot Test #2 (199-N-137)

- Sampling has been delayed due to freezing weather conditions
- Strontium-90 sequestration performance monitoring will continue bi-monthly (weather permitting).

#### Apatite Eight Well Injection

- Modification of injection skids and river pump to be completed by February 23, 2007
- Modified Chemical formulation and Work Plan will be completed by February 15, 2007.
- Predicted river levels will support the injections to begin late February, 2007
- 

Figure 1. Sr-89/90 performance assessment monitoring through October, 2006 (~ 6 mo) for Pilot Test #1.

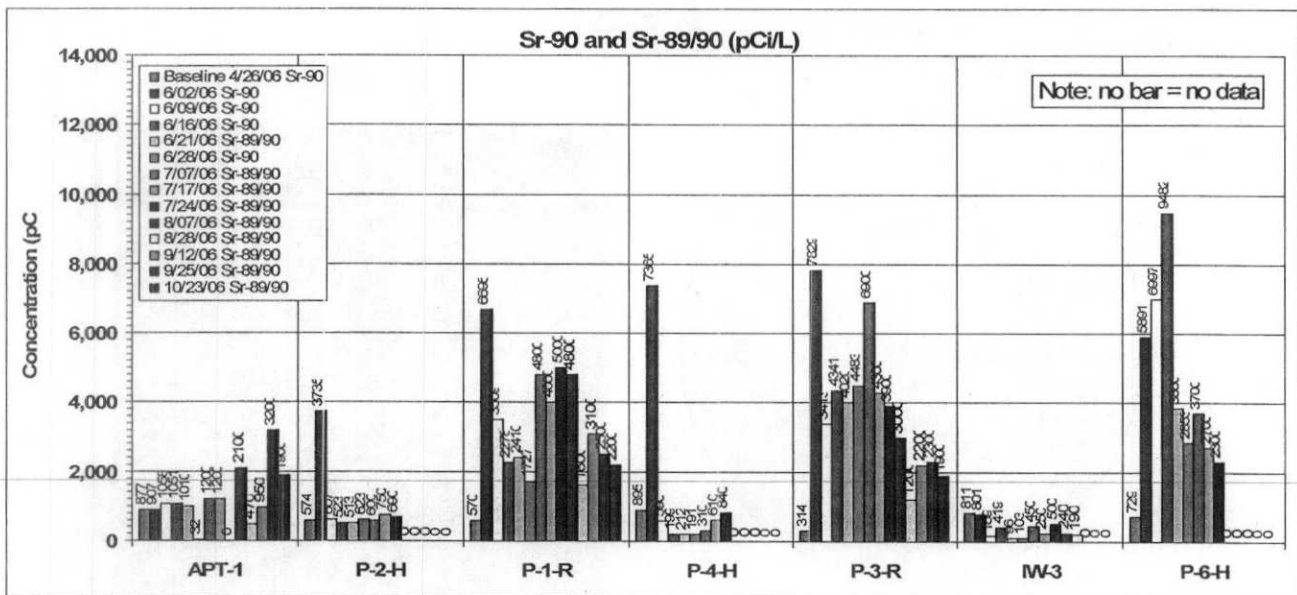


Figure 2. Sr-90 performance assessment monitoring for Pilot Test #2: baseline and first post-injection samples.

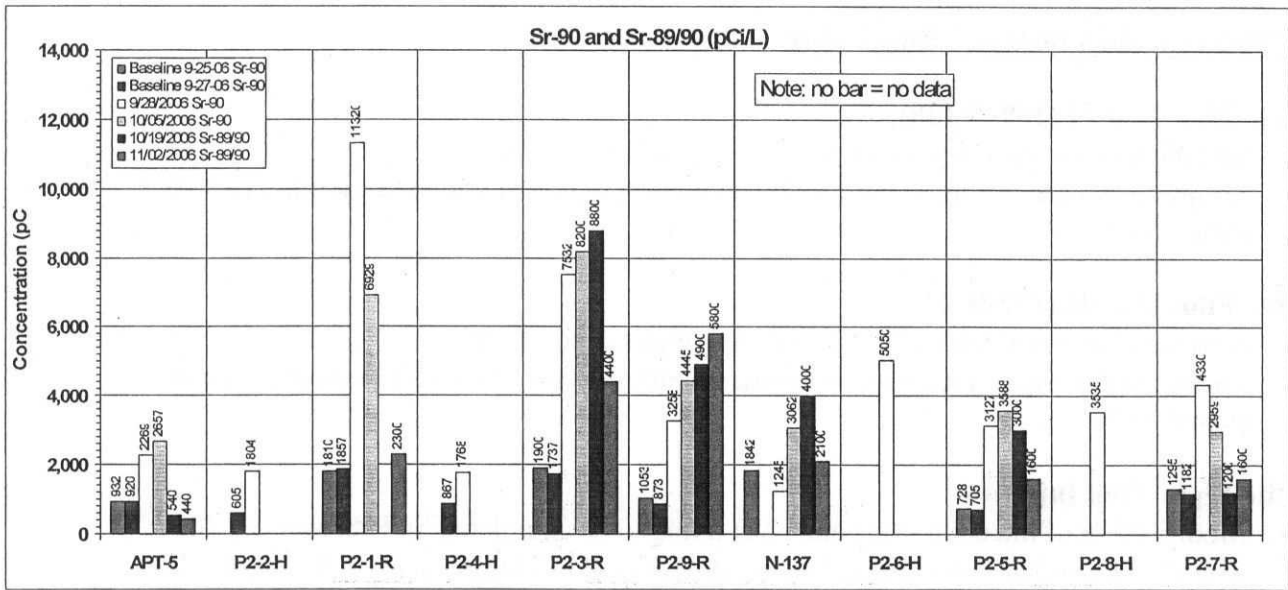
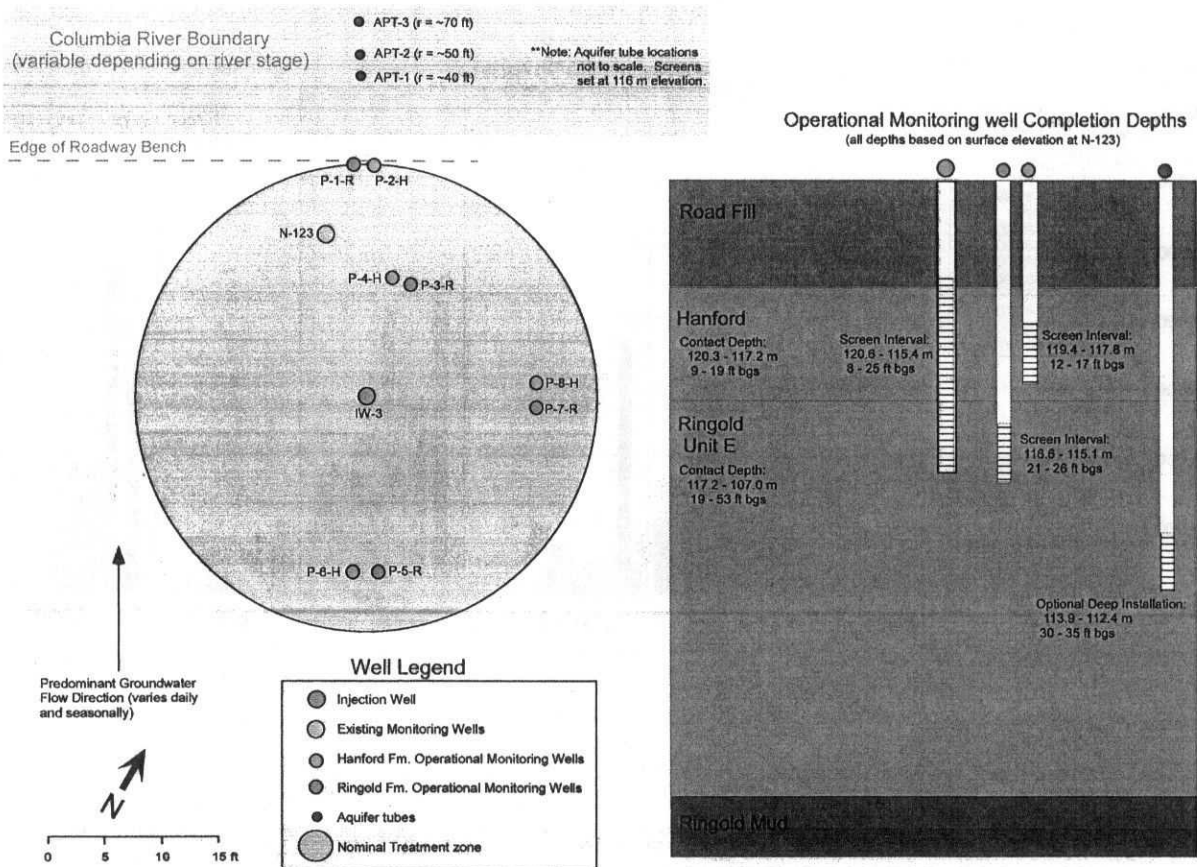


Figure 3. Well layout for Pilot Test Site #1.





### **100-KR-4 Groundwater OU - Ron Jackson**

- Remediation Treatment Status
  - For the period of January 1-31, 2007:
    - System operated normally. All wells on line except extraction well 199-K-115 which was down for about 5 days due to low flow and cold conditions.
    - Total average flow through the system was approximately 285 gpm.
    - Average influent hexavalent chromium concentration was 0.054 mg/L.
- KR-4 Expansion
  - The new treatment building and two new transfer buildings have been completed as well as the fabrication of three treatment skids.
- KW Groundwater Remediation
  - The initial system was started up on 1/4 with two extraction wells and one injection well. The remaining two extraction wells and the injection well (Figure 4) were brought on line on January 29. At that time we are now operating with 4 extraction wells and two injection wells. Acceptance testing is expected to be completed by 15 February. To date the system has treated over 2.5 M gallons of groundwater. Figure 5 shows the hexavalent trend plots for the extraction wells.

Figure 4. Map showing extraction and injection wells at KW Pump and Treat.

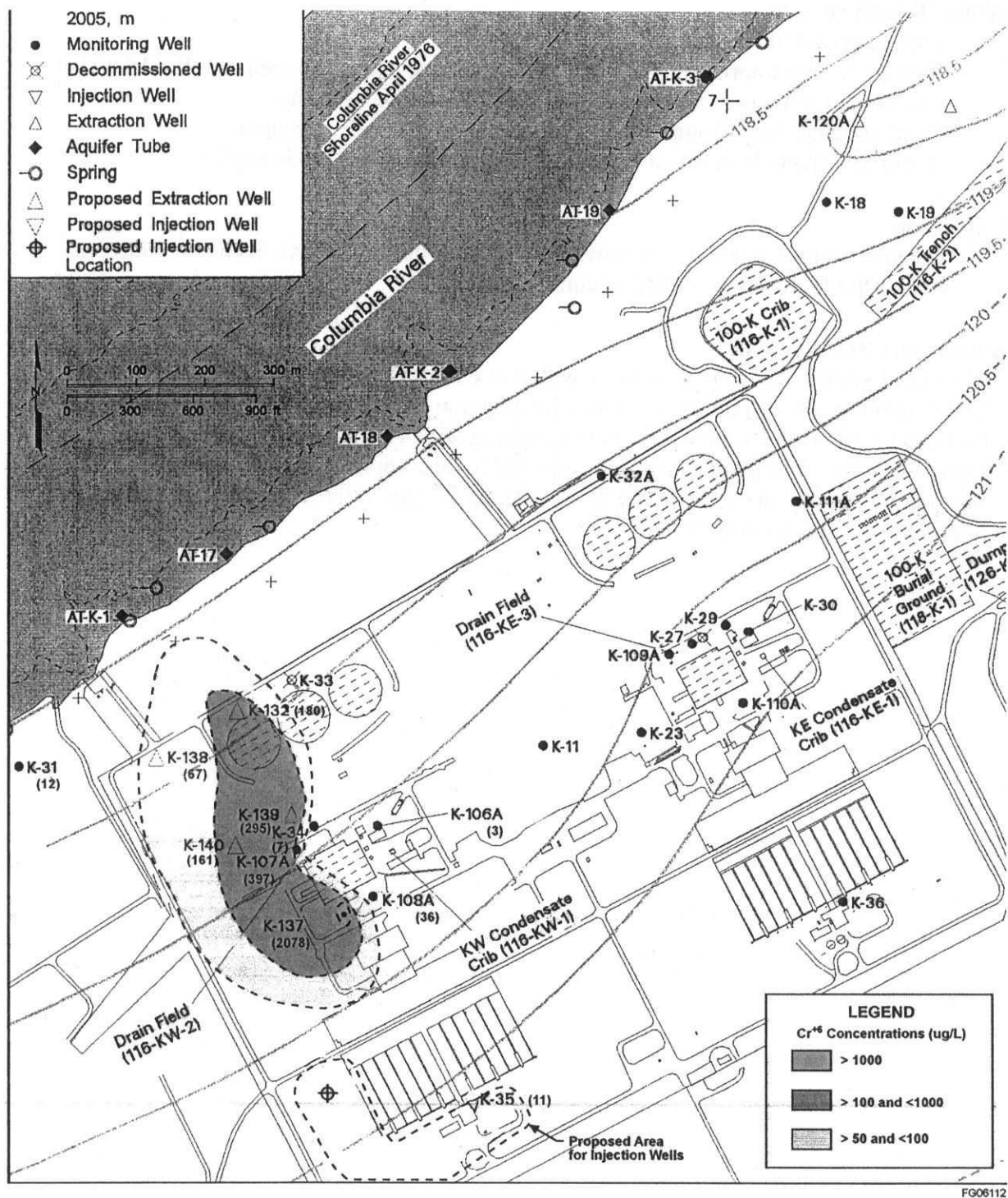
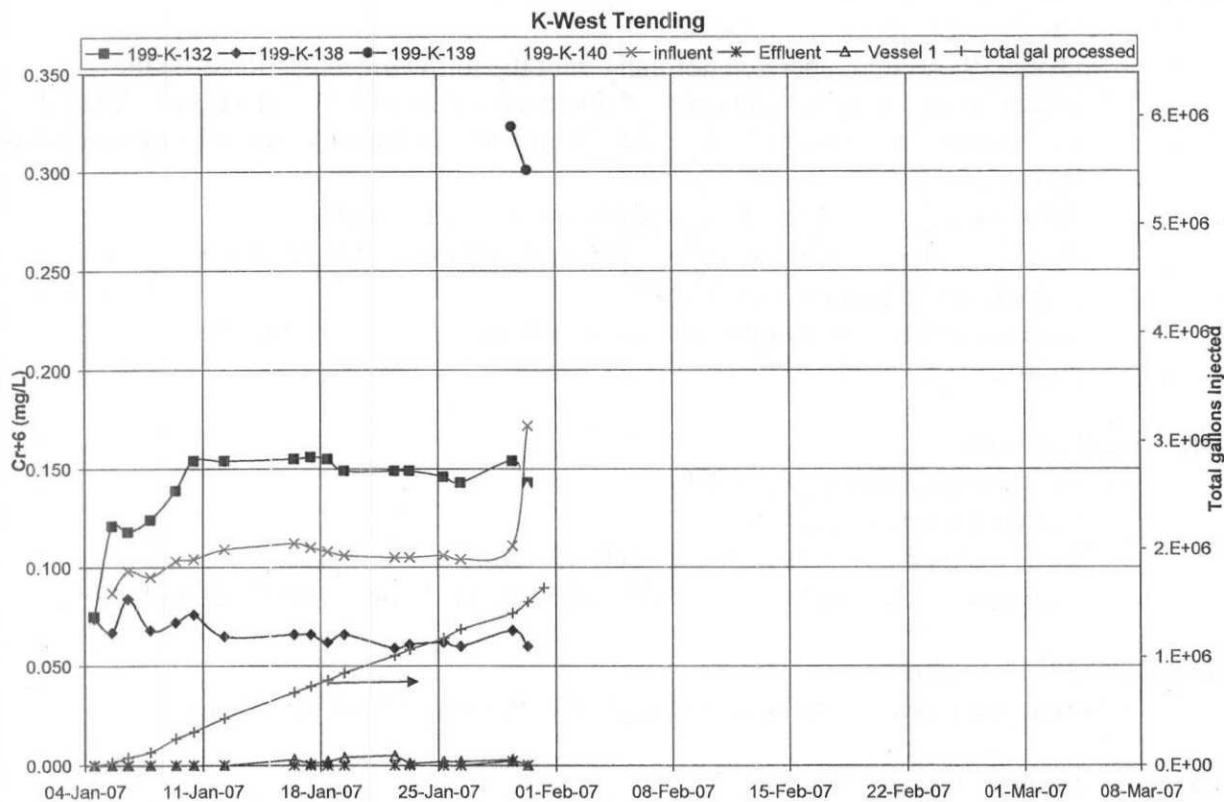


Figure 5. Hexavalent chromium trend plots.



- Calcium Polysulfide Treatability Test
  - No sampling was performed during this period. February will begin the new quarterly sampling schedule.

#### **100-KR-4: K-Basins Monitoring Task—Bob Peterson (PNNL)**

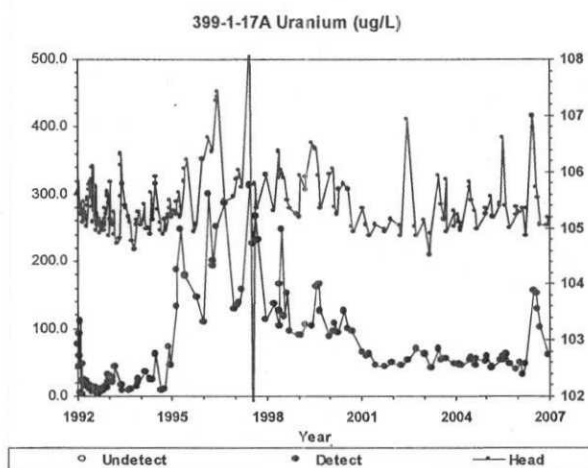
- Leak Detection Monitoring:
  - Most recent tritium results available are for samples collected in January 2007. The values are consistent with historical trends and expectations, with no evidence for recent impacts to groundwater from shielding water at KE or KW basin.
  - Monthly monitoring continues at three wells close to the KE Basin (199-K-27, 199-K-29, and 199-K-109A) while sludge removal/transfer operations are underway.
- Monitoring Well Network:
  - Monitoring at new monitoring wells installed between the KE reactor and the Columbia River (199-K-141 and 199-K-142) has not yet started.
- Reporting:
  - Most recent quarterly K-Basins report for July, August, and September 2006 was distributed as an adobe .pdf file via email on December 13 (PNNL-16270). Please contact Bob Peterson if you wish to be added to the distribution list for this report.
  - The draft K-Basins subsection of the FY 2006 annual groundwater report has been reviewed by internal and external reviewers. The annual report will be released to the public March 1, 2007.

### **100-HR-3 Groundwater OU - Ron Jackson**

- Remediation Treatment Status
  - For the period January 1-31, 2007:
    - Overall the system operated normally with the following exceptions: 1) the treatment system was on January 17 due to an outage and 2) extraction well D8-72 has been down for about 13 days due for unknown reasons which is being evaluated by engineering.
    - Total average flow through the system was approximately 151 gpm.
    - Average influent hexavalent chromium concentration for H Area was approximately less than 0.015 mg/L.
    - Average influent hexavalent chromium concentration for D Area was approximately 0.114 mg/L.
- DR-5 Treatment Status
  - For the period January 1-31, 2007:
    - System operated normally.
    - Total average flow was approximately 39 gpm.
    - The average influent hexavalent chromium concentration was 0.742 mg/L.
- Summary of ISRM Status
  - Chromium concentrations were comparable to those measured last January.
- EM-22 Technology Developments
  - Injecting micron-size iron into selected ISRM boreholes: MSE-Technology Applications submitted a final laboratory testing plan on January 22. They are in the process of assembling and packing columns with Ringold Formation material and MZVI to test the effects of iron on groundwater composition and determine the probability of passivation of the iron in contact with groundwater.
  - Avantech, Inc., is currently designing the EC system with planned startup in April. Ecology completed their review of the treatability test plan. A comment resolution meeting was between RL/Ecology/FH on January 31, 2007 and all comments were resolved. A new injection well is planned to be drilled in February.
  - The Field Investigation Plan for the chromium source investigation is was finalized and signed by RL and Ecology on February 5. Drilling began on February 8.

### 300-FF-5 Operable Unit—Bob Peterson (PNNL) and Ron Smith (PNNL)

- Operations and Maintenance Plan Requirements:
  - Entire Operable Unit: Internal and external comments on the draft 300-FF-5 section of the FY 2006 annual groundwater report have been received and appropriate changes made. The report will be released to the public by March 1.
  - Recent sampling events and results: Semi-annual sampling event took place in December 2006, with many results available. Monthly monitoring near the former 300 Area Process Trenches illustrates the impact of the moderately elevated water table conditions on uranium concentrations this past year (see Figure)



- RCRA Integration, 300 Area Process Trenches: [No new information to report]
- Phase III Feasibility Study and Limited Field Investigation:
  - Continuing to finalize report describing the results of the LFI drilling program.
- Other Tasks:
  - Uranium treatability test: Continuing analysis of tracer test.
  - Drilling to investigate potential groundwater impacts by plutonium and other radionuclides beneath 618-2 burial ground was conducted and completed during December 2006. Uranium undetected; awaiting results for plutonium, which are expected late February.
  - Characterization of volatile organic compounds at depth in the 300 Area: Planning for characterization boreholes continues.

### 100-BC-5 and 100-FR-3 Operable Units—Mary Hartman (PNNL)

- 100-BC-5: Annual sampling of the monitoring wells was completed during January 2007.
- 100-FR-3: Annual sampling of all monitoring wells is now complete. The two wells that were delayed for logistical reasons have now been successfully sampled (199-F6-1 and 699-63-25A).

## **Attachment 2**

(2)

**Field Remediation**  
**Sample Design and Cleanup Verification for the February 2007 UMM**

AREA	DOE-RL/REGULATOR DELIVERABLE	START	FINISH
300 AREA	RL/Reg Review Draft A 300 Area ESD	5/7/2007	6/21/2007
	RL/Reg Sign Rev. 0 300 Area ESD	9/18/2007	10/22/2007
	RL/Regulator Review Draft A WI for 300-32	12/12/2007	1/14/2008
	RL/Regulator Review Draft A WI for 300-2	1/3/2008	1/30/2008
	RL/Regulator Review Draft A WI for 303-M UOF	1/9/2008	2/5/2008
	RL/Regulator Review Draft A WI for 600-276	1/15/2008	2/11/2008
	RL/Regulator Review Draft A WI for UPR-300-2	1/21/2008	2/14/2008
	RL/Regulator Sign Rev. 0 WI for 300-32	1/23/2008	1/30/2008
	RL/Regulator Sign Rev. 0 WI for 300-2	2/11/2008	2/19/2008
	RL/Regulator Sign Rev. 0 WI for 303-M UOF	2/14/2008	2/25/2008
	RL/Regulator Sign Rev. 0 WI for 600-276	2/21/2008	2/28/2008
	RL/Regulator Sign Rev. 0 WI for UPR-300-2	2/27/2008	3/5/2008
	RL/Reg Review Draft A Closure Doc for 618-7	4/24/2008	6/17/2008
	RL/Reg Review Draft A Closure Doc for 300-32	6/16/2008	7/30/2008
	RL/Reg Review Draft A Closure Doc for 300-2	7/2/2008	8/18/2008
	RL/Reg Review Draft A Closure Doc for 303-M UOF	7/9/2008	8/21/2008
	RL/Reg Sign Rev. 0 Closure Doc for 618-7	7/10/2008	7/17/2008
	RL/Reg Review Draft A Closure Doc for 300-48	7/15/2008	8/27/2008
	RL/Reg Review Draft A Closure Doc for 600-276	7/15/2008	8/27/2008
	RL/Reg Review Draft A Closure Doc for UPR-300-2	7/21/2008	9/3/2008
	RL/Reg Sign Rev. 0 Closure Doc for 300-32	8/21/2008	8/28/2008
	RL/Reg Sign Rev. 0 Closure Doc for 300-2	9/10/2008	9/17/2008
	RL/Reg Sign Rev. 0 Closure Doc for 303-M UOF	9/16/2008	9/23/2008
	RL/Reg Sign Rev. 0 Closure Doc for 600-276	9/22/2008	9/29/2008
	RL/Reg Sign Rev. 0 Closure Doc for 300-48	9/22/2008	9/30/2008
	RL/Reg Sign Rev. 0 Closure Doc for UPR-300-2	9/25/2008	10/2/2008
	RL/Reg Review Draft A Closure Doc for 618-13	12/3/2008	1/21/2009
	RL/Reg Sign Rev. 0 Closure Doc for 618-13	2/12/2009	2/23/2009
618-10/11	RL Review 618-10/11 Design Solution	1/31/2007	5/1/2007
	RL Transmit 618-10/11 SAP to Regulators for Review	7/2/2007	7/16/2007
	RL/Reg Review of 618-10/11 SAP	7/17/2007	8/30/2007
	Cultural/Ecological APE Review 618-10/11	8/15/2007	9/17/2007
	RL/Reg Sign 618-10/11 SAP	9/17/2007	9/27/2007
	DOE Review of Cultural Review 618-10/11	9/18/2007	10/4/2007
	RL Transmit 618-10/11 RDR to Regulators for Review	10/22/2007	11/1/2007
	RL Transmit 618-10/11 SAP to Regulators for Review	10/22/2007	11/1/2007
	RL/Reg Review of 618-10/11 RDR	11/5/2007	11/12/2007
	RL/Reg Review of 618-10/11 SAP	11/5/2007	11/12/2007
	RL/Reg Review of 618-10/11 RDR	11/13/2007	12/26/2007
	RL/Reg Review of 618-10/11 SAP	11/13/2007	12/26/2007
	RL/Reg Sign 618-10/11 RDR	1/24/2008	2/13/2008
	RL/Reg Sign 618-10/11 SAP	1/24/2008	2/13/2008
	Cultural/Ecological APE Review 618-10/11	4/28/2008	5/8/2008
	DOE Review of Cultural Review 618-10/11	4/28/2008	6/10/2008
	RL/Regulator Design Briefing 618-10/11	5/8/2008	5/13/2008
	DOE Review 618-10/11 DSA	8/19/2008	10/1/2008
	DOE Review Bid for 618-10/11	8/26/2008	8/26/2008

**Field Remediation**  
**Sample Design and Cleanup Verification for the February 2007 UMM**

AREA	DOE-RL/REGULATOR DELIVERABLE	START	FINISH
100-BC	100-B-14 RL/Reg Sign & Issue Rev 0 Closeout Doc	2/14/2007	2/14/2007
	RL/Reg Sign Rev 0 Closure Doc for 100-B-14	2/14/2007	2/14/2007
	1607-B-2 RL/Reg Sig. & Issue Rev 0 Closeout Doc.	2/14/2007	2/21/2007
	RL/Reg Sign Rev 0 Closeout Doc for 1607-B2	2/14/2007	2/21/2007
	RL/Regulator Review Draft A WI for 116-C-3	2/26/2007	3/1/2007
	RL/Regulator Review Draft A WI for 126-B-2	3/7/2007	4/3/2007
	RL/Regulator Review Draft A WI for 100-B-18	3/8/2007	4/4/2007
	RL/Regulator Sign Rev. 0 WI for 116-C-3	3/12/2007	3/14/2007
	RL/Reg Review Draft A Closure Doc for 118-C-1	4/2/2007	4/11/2007
	RL/Reg Review Draft A Closure Doc for 118-B-1	4/2/2007	5/3/2007
	RL/Regulator Sign Rev. 0 WI for 126-B-2	4/12/2007	4/19/2007
	RL/Regulator Sign Rev. 0 WI for 100-B-18	4/16/2007	4/23/2007
	RL/Reg Review Draft A Closure Doc for 1607-B1	5/17/2007	7/3/2007
	RL/Reg Review Draft A Closure Doc for 126-B-2	7/12/2007	8/27/2007
	RL/Reg Sign Rev. 0 Closure Doc for 1607-B1	7/26/2007	8/2/2007
	RL/Reg Sign Rev. 0 Closure Doc for 126-B-2	9/19/2007	9/26/2007
	RL/Regulator Review Draft A WI for 100-B-27	2/20/2008	3/18/2008
	RL/Regulator Sign Rev. 0 WI for 100-B-27	3/27/2008	4/3/2008
	RL/Regulator Review Draft A WI for (1607-B5)	5/13/2008	6/10/2008
	RL/Regulator Sign Rev. 0 WI for (1607-B5)	6/19/2008	6/26/2008
	RL/Regulator Review Draft A WI for 100-C-7	9/15/2008	10/9/2008
	RL/Regulator Sign Rev. 0 WI for 100-C-7	10/21/2008	10/28/2008
100-F	RL/Reg Review Draft A Closure Doc for -100-F-20	12/27/2006	1/25/2007
	RL/Regulator Review Draft A WI for 100-F-50	1/4/2007	2/15/2007
	RL/Regulator Review Draft A WI for 100-F-48	2/13/2007	3/13/2007
	RL/Regulator Review Draft A WI for 100-F-49	2/13/2007	3/13/2007
	RL/Regulator Review Draft A WI for 100-F-51	2/13/2007	3/13/2007
	RL/Regulator Review Draft A WI for 100-F-52	2/13/2007	3/13/2007
	RL/Regulator Review Draft A WI for 100-F-53	2/13/2007	3/13/2007
	RL/Regulator Review Draft A WI for 100-F-54	2/13/2007	3/13/2007
	RL/Regulator Review Draft A WI for 100-F-41	2/15/2007	3/5/2007
	RL/Regulator Sign Rev. 0 WI for 100-F-50	2/28/2007	3/7/2007
	RL/Reg Review Draft A Closure Doc for -100-F-36	2/28/2007	4/12/2007
	RL/Reg Sign.&Issue Rev 0 Closeout Docm 116-F-15	3/1/2007	4/12/2007
	RL/Regulator Review Draft A WI for 100-F-47	3/5/2007	3/29/2007
	RL/Regulator Review Draft A WI for 100-F-55	3/5/2007	3/29/2007
	RL/Regulator Review Draft A WI for 100-F-56	3/5/2007	3/29/2007
	RL/Regulator Review Draft A WI for 100-F-45	3/5/2007	4/5/2007
	RL/Regulator Review Draft A WI for 100-F-44	3/7/2007	4/3/2007
	RL/Reg review of Draft A Closeout Docm. 116-F-15	3/12/2007	3/27/2007
	RL/Regulator Review Draft A WI for 100-F-57	3/13/2007	4/9/2007
	RL/Regulator Sign Rev. 0 WI for 100-F-41	3/14/2007	3/21/2007
	RL/Regulator Sign Rev. 0 WI for 100-F-48	3/22/2007	3/29/2007
	RL/Regulator Sign Rev. 0 WI for 100-F-49	3/22/2007	3/29/2007
	RL/Regulator Sign Rev. 0 WI for 100-F-51	3/22/2007	3/29/2007
	RL/Regulator Sign Rev. 0 WI for 100-F-52	3/22/2007	3/29/2007
	RL/Regulator Sign Rev. 0 WI for 100-F-53	3/22/2007	3/29/2007
	RL/Regulator Sign Rev. 0 WI for 100-F-54	3/22/2007	3/29/2007
	RL/Regulator Review Draft A WI for 132-F-4:2	3/26/2007	4/19/2007



**Field Remediation**  
**Sample Design and Cleanup Verification for the February 2007 UMM**

AREA	DOE-RL/REGULATOR DELIVERABLE	START	FINISH
<b>100-F Continued</b>			
	RL/Regulator Review Draft A WI for 116-F-7:2	3/26/2007	4/19/2007
	RL/Reg review of Draft A Closeout Docm. 1607-F3	3/26/2007	4/26/2007
	RL/Reg Sign Rev 0 Closure Doc for -100-F-36	4/5/2007	4/12/2007
	RL/Regulator Review Draft A WI 120-F-1	4/5/2007	4/25/2007
	RL/Reg Review Draft A WI for -1607-F1	4/5/2007	5/2/2007
	RL/Regulator Sign Rev. 0 WI for 100-F-47	4/10/2007	4/17/2007
	RL/Regulator Sign Rev. 0 WI for 100-F-55	4/10/2007	4/17/2007
	RL/Regulator Sign Rev. 0 WI for 100-F-56	4/10/2007	4/17/2007
	RL/Regulator Sign Rev. 0 WI for 100-F-44	4/12/2007	4/19/2007
	RL/Reg Review Draft A WI for -1607-F4	4/12/2007	5/9/2007
	RL/Regulator Sign Rev. 0 WI for 100-F-45	4/14/2007	4/21/2007
	RL/Reg review of Draft A Closeout Docm. 128-F-2	4/17/2007	5/14/2007
	RL/Regulator Sign Rev. 0 WI for 100-F-57	4/18/2007	4/25/2007
	RL/Regulator Sign Rev. 0 WI for 132-F-4:2	5/1/2007	5/8/2007
	RL/Regulator Sign Rev. 0 WI for 116-F-7:2	5/1/2007	5/8/2007
	RL/Reg Sign Rev 0 WI for -1607-F4	5/2/2007	5/9/2007
	RL/Regulator Approve/Signature Rev. 0 WI 120-F-1	5/3/2007	5/9/2007
	RL/Reg Sign Rev 0 WI for -1607-F1	5/3/2007	5/10/2007
	RL/Reg Review Draft A WI for -118-F-8	5/8/2007	6/5/2007
	RL/Reg Sign. & Issue Rev 0 Closeout Docm. 1607-F3	5/10/2007	5/17/2007
	RL/Reg Sign Rev 0 WI for -118-F-8	5/29/2007	6/5/2007
	RL/Reg Sign. & Issue Rev 0 Closeout Docm. 128-F-2	6/4/2007	6/7/2007
	RL/Reg Review Draft A Closure Doc for 100-F-45	6/25/2007	8/8/2007
	RL/Reg Review Draft A Closure Doc for 100-F-44	7/9/2007	8/21/2007
	RL/Reg Review Draft A Closure Doc for 132-F-4:2	7/9/2007	8/21/2007
	RL/Reg Review Draft A Closure Doc for 116-F-7:2	7/9/2007	8/21/2007
	RL/Reg Review Draft A Closure Doc for 100-F-41	7/12/2007	8/27/2007
	RL/Reg Review Draft A Closure Doc for 100-F-57	7/12/2007	8/27/2007
	RL/Reg Review Draft A Closure Doc for 100-F-46	7/16/2007	8/28/2007
	RL/Reg Review Draft A Closure Doc for -118-F-5	7/26/2007	9/11/2007
	RL/Reg Review Draft A Closure Doc for -120-F-1	8/6/2007	9/19/2007
	RL/Reg Review Draft A Closure Doc for -Pipeline	8/6/2007	9/19/2007
	RL/Reg review of Draft A Closeout Docm. 118-F-6	8/7/2007	9/4/2007
	RL/Reg Review Draft A Closure Doc for -118-F-8	8/14/2007	9/27/2007
	RL/Reg Review Draft A Closure Doc for -1607-F1	8/14/2007	9/27/2007
	RL/Reg Review Draft A Closure Doc for -1607-F-4	8/14/2007	9/27/2007
	RL/Reg Review Draft A Closure Doc for -118-F-2	8/20/2007	10/3/2007
	RL/Reg Sign Rev. 0 Closure Doc for 100-F-45	8/30/2007	9/10/2007
	RL/Reg Sign Rev 0 Closure Doc for -118-F-5	9/4/2007	9/11/2007
	Resolve/Incorp RL/Reg Commnts Prep Rev.0 118-F-6	9/5/2007	9/6/2007
	RL/Reg Sign Rev. 0 Closure Doc for 100-F-44	9/13/2007	9/20/2007
	RL/Reg Sign Rev. 0 Closure Doc for 132-F-4:2	9/13/2007	9/20/2007
	RL/Reg Sign Rev. 0 Closure Doc for 116-F-7:2	9/13/2007	9/20/2007
	RL/Reg Review Draft A Closure Doc for -118-F-1	9/13/2007	10/29/2007
	RL/Reg Sign Rev. 0 Closure Doc for 100-F-41	9/19/2007	9/26/2007
	RL/Reg Sign Rev. 0 Closure Doc for 100-F-57	9/19/2007	9/26/2007
	RL/Reg Sign Rev. 0 Closure Doc for 100-F-46	9/20/2007	9/27/2007
	RL/Reg Sign Rev 0 Closure Doc for -120-F-1	9/20/2007	9/27/2007
	RL/Reg Sign Rev 0 Closure Doc for -118-F-8	9/20/2007	9/27/2007
	RL/Reg Sign Rev 0 Closure Doc for Pipeline	9/20/2007	9/27/2007
	RL/Reg Sign Rev 0 Closure Doc for -1607-F1	9/20/2007	9/27/2007
	RL/Reg Sign Rev 0 Closure Doc for -1607-F4	9/20/2007	9/27/2007

**Field Remediation**  
**Sample Design and Cleanup Verification for the February 2007 UMM**

AREA	DOE-RL/REGULATOR DELIVERABLE	START	FINISH
<b>100-F Continued</b>			
	RL/Reg Sign Rev 0 Closure Doc for -118-F-2	10/4/2007	10/11/2007
	RL/Reg Sign Rev 0 Closure Doc for -118-F-1	10/22/2007	10/29/2007
<b>100-D</b>			
	RL/Reg review of Draft A Closeout Doc for 100-D-50:1	2/12/2007	3/27/2007
	RL/Regulator Review Draft A Closure Doc for 132-D-1	2/28/2007	4/2/2007
	RL/Regulator Review Draft A WI for 100-D-30	4/3/2007	4/30/2007
	RL/Regulator Review Draft A WI for 100-D-56	4/15/2007	5/31/2007
	RL/Reg Sign Rev 0 Closure Doc for 100-D-50:1	4/16/2007	4/19/2007
	RL/Regulator Review Draft A WI for 126-DR-1	5/1/2007	5/29/2007
	RL/Regulator Sign Rev. 0 WI for 100-D-30	5/9/2007	5/16/2007
	RL/Regulator Review Draft A WI for 126-D-2	5/21/2007	6/18/2007
	RL/Regulator Review Draft A WI for 120-D-2	6/4/2007	6/28/2007
	RL/Regulator Review Draft A WI for 100-D-2	6/5/2007	7/2/2007
	RL/Regulator Sign Rev. 0 WI for 126-DR-1	6/7/2007	6/14/2007
	RL/Regulator Sign Rev. 0 WI for 100-D-56	6/18/2007	6/28/2007
	RL/Regulator Sign Rev. 0 WI for 126-D-2	6/27/2007	7/5/2007
	RL/Regulator Sign Rev. 0 WI for 120-D-2	7/11/2007	7/18/2007
	RL/Regulator Sign Rev. 0 WI for 100-D-2	7/12/2007	7/19/2007
	RL/Reg Review Draft A Closure Doc for 100-D-56	7/16/2007	8/28/2007
	RL/Reg Review Draft A Closure Doc for 100-D-30	7/16/2007	8/28/2007
	RL/Reg Review Draft A Closure Doc for 126-DR-1	7/16/2007	8/28/2007
	RL/Regulator Review Draft A WI for 100-D-1	8/14/2007	9/11/2007
	RL/Regulator Review Draft A WI for 100-D-29	8/14/2007	9/11/2007
	RL/Regulator Review Draft A WI for 116-DR-5	8/14/2007	9/11/2007
	RL/Regulator Review Draft A WI for 1607-D2:2	8/14/2007	9/11/2007
	RL/Regulator Review Draft A WI for 100-D-32	8/14/2007	9/11/2007
	RL/Regulator Review Draft A WI for 100-D-43	8/14/2007	9/11/2007
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	RL/Regulator Review Draft A WI for 100-D-45	8/23/2007	9/11/2007
	RL/Regulator Review Draft A WI for 118-D-5	9/5/2007	9/11/2007
	RL/Reg Review Draft A Closure Doc for 100-D-32	9/5/2007	9/27/2007
	RL/Reg Review Draft A Closure Doc for 120-D-2	9/6/2007	9/27/2007
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	RL/Regulator Sign Rev. 0 WI for 100-D-29	9/20/2007	9/27/2007
	RL/Reg Sign Rev. 0 Closure Doc for 100-D-56	9/20/2007	9/27/2007
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	RL/Regulator Sign Rev. 0 WI for 100-D-45	9/20/2007	9/27/2007
	RL/Regulator Sign Rev. 0 WI for 100-D-43	9/20/2007	9/27/2007
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	RL/Reg Review Draft A Closure Doc for 126-D-2	10/10/2007	11/27/2007
	RL/Regulator Sign Rev. 0 WI for 116-D-5	10/15/2007	10/22/2007
	RL/Reg Sign Rev. 0 Closure Doc for 100-D-2	10/22/2007	10/18/2007

**Field Remediation**  
**Sample Design and Cleanup Verification for the February 2007 UMM**

AREA	DOE-RL/REGULATOR DELIVERABLE	START	FINISH
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	RL/Reg Sign Rev. 0 Closure Doc for 120-D-2	10/22/2007	10/29/2007
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	RL/Regulator Review Draft A WI for 116-D-8	11/27/2007	12/26/2007
	RL/Regulator Review Draft A WI for 100-D-47	12/4/2007	1/3/2008
	RL/Reg Sign Rev. 0 Closure Doc for 126-D-2	12/19/2007	12/31/2007
	RL/Regulator Sign Rev. 0 WI for 100-D-47	1/7/2008	1/14/2008
	RL/Regulator Sign Rev. 0 WI for 100-D-3	1/8/2008	1/15/2008
	RL/Regulator Sign Rev. 0 WI for 116-D-8	1/8/2008	1/15/2008
	RL/Reg Review Draft A Closure Doc for 100-D-32	1/31/2008	2/21/2008
	RL/Reg Review Draft A Closure Doc for 100-D-29	2/4/2008	3/19/2008
	RL/Reg Sign Rev. 0 Closure Doc for 100-D-32	3/4/2008	3/11/2008
	RL/Regulator Review Draft A WI for 118-D-1	3/17/2008	4/10/2008
	RL/Reg Review Draft A Closure Doc for 100-D-43	3/17/2008	4/29/2008
	RL/Reg Review Draft A Closure Doc for 118-D-5	3/17/2008	4/29/2008
	RL/Reg Review Draft A Closure Doc for 100-D-1	3/31/2008	5/8/2008
	RL/Regulator Review Draft A WI for 100-D-41	4/1/2008	4/28/2008
	RL/Regulator Review Draft A WI for 100-D-33	4/3/2008	4/30/2008
	RL/Regulator Review Draft A WI for 100-D-35	4/8/2008	5/5/2008
	RL/Reg Sign Rev. 0 Closure Doc for 100-D-29	4/10/2008	4/17/2008
	RL/Reg Review Draft A Closure Doc for 100-D-45	4/10/2008	5/6/2008
	RL/Reg Review Draft A Clos Doc for UPR-100-D-5	4/10/2008	5/27/2008
	RL/Regulator Review Draft A WI for 118-DR-1	4/15/2008	5/12/2008
	RL/Regulator Sign Rev. 0 WI for 118-D-1	4/21/2008	4/28/2008
	RL/Reg Review Draft A Closure Doc for 116-D-5	5/5/2008	6/4/2008
	RL/Regulator Sign Rev. 0 WI for 100-D-41	5/7/2008	5/14/2008
	RL/Reg Sign Rev. 0 Closure Doc for 100-D-1	5/12/2008	5/19/2008
	RL/Regulator Sign Rev. 0 WI for 100-D-33	5/12/2008	5/19/2008
	RL/Regulator Sign Rev. 0 WI for 100-D-35	5/14/2008	5/21/2008
	RL/Reg Sign Rev. 0 Closure Doc for 100-D-45	5/15/2008	5/22/2008
	RL/Reg Sign Rev. 0 Closure Doc for 100-D-43	5/21/2008	5/29/2008
	RL/Reg Sign Rev. 0 Closure Doc for 118-D-5	5/21/2008	5/29/2008
	RL/Regulator Sign Rev. 0 WI for 118-DR-1	5/21/2008	5/29/2008
	RL/Reg Review Draft A Closure Doc for 116-DR-5	6/2/2008	6/16/2008
	RL/Reg Review Draft A Closure Doc for 116-DR-5	6/2/2008	6/30/2008
	RL/Reg Review Draft A Closure Doc for 116-D-8	6/4/2008	7/21/2008
	RL/Reg Review Draft A Closure Doc for 116-D-5	6/5/2008	6/16/2008
	RL/Reg Review Draft A Closure Doc for 1607-D2:2	6/5/2008	7/22/2008
	RL/Reg Sign Rev. 0 Closure Doc for UPR-100-D-5	6/18/2008	6/25/2008
	RL/Regulator Review Draft A WI for 100-D-61	6/23/2008	7/21/2008
	RL/Reg Review Draft A Closure Doc for 100-D-3	6/25/2008	8/11/2008
	RL/Reg Sign Rev. 0 Closure Doc for 116-D-5	6/26/2008	7/7/2008
	RL/Reg Sign Rev. 0 Closure Doc for 116-DR-5	7/1/2008	7/9/2008
	RL/Reg Review Draft A Closure Doc for 100-D-47	7/16/2008	8/28/2008
	RL/Reg Review Draft A Closure Doc for 100-D-41	7/21/2008	9/3/2008
	RL/Regulator Sign Rev. 0 WI for 100-D-61	7/30/2008	8/6/2008
	RL/Reg Sign Rev. 0 Closure Doc for 1607-D2:2	7/31/2008	7/31/2008
	RL/Reg Sign Rev. 0 Closure Doc for 116-D-8	8/12/2008	8/19/2008
	RL/Reg Sign Rev. 0 Closure Doc for 100-D-3	9/3/2008	9/10/2008
	RL/Reg Sign Rev. 0 Closure Doc for 100-D-41	9/15/2008	9/22/2008
	RL/Reg Sign Rev. 0 Closure Doc for 100-D-47	9/23/2008	9/29/2008
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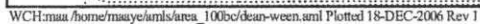
**Field Remediation**  
**Sample Design and Cleanup Verification for the February 2007 UMM**

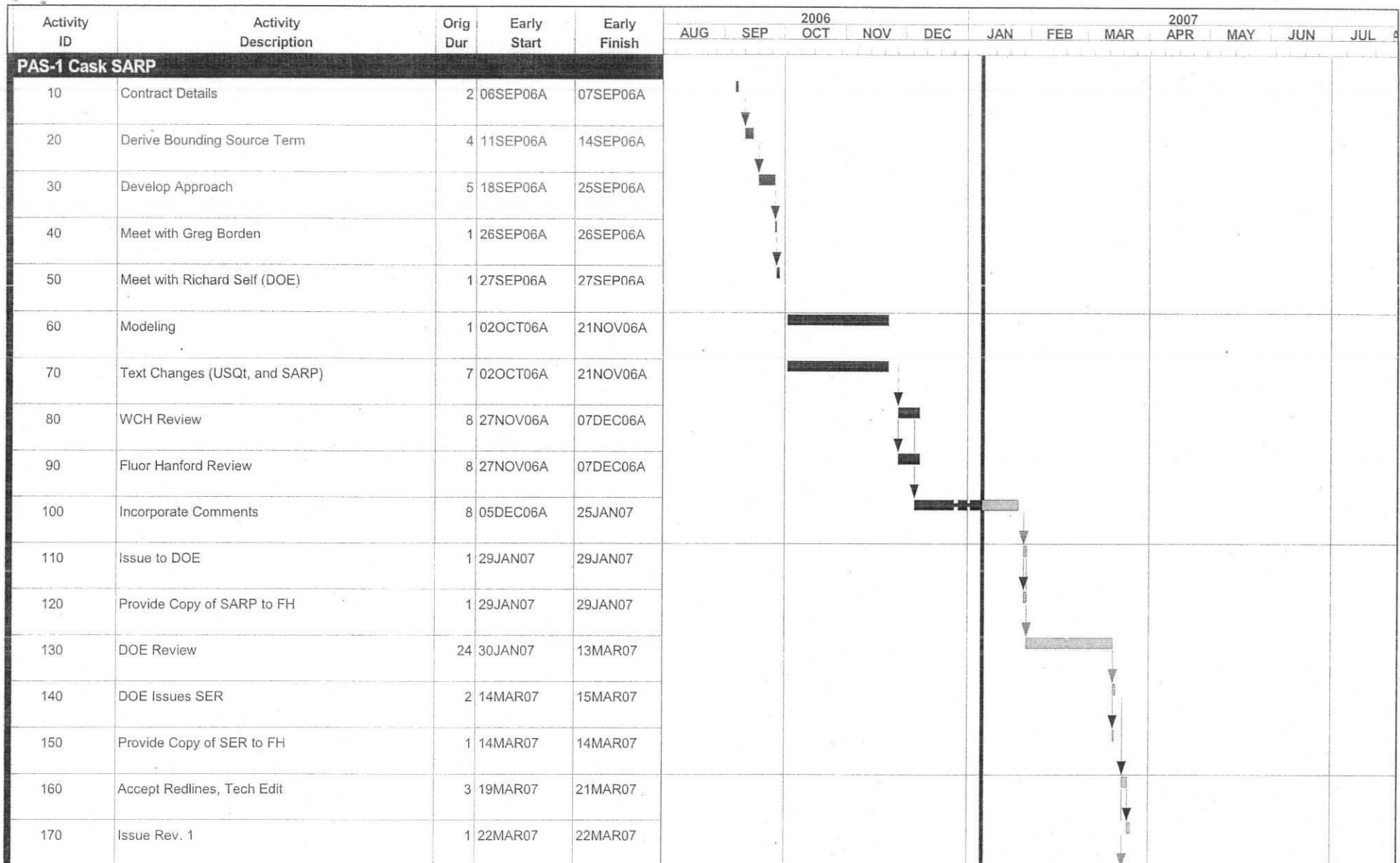
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	RL/Reg Review Draft A Closure Doc for 100-D-61	1/6/2009	2/19/2009
	RL/Regulator Sign Rev. 0 WI for 100-D-31	1/8/2009	1/15/2009
	RL/Regulator Sign Rev. 0 WI for 118-D-3	1/8/2009	1/15/2009
	RL/Reg Review Draft A Closure Doc for 100-D-35	1/8/2009	2/24/2009
	RL/Reg Review Draft A Closure Doc for 118-D-1	1/8/2009	2/24/2009
	RL/Regulator Sign Rev. 0 WI for 100-D-40	1/13/2009	1/20/2009
	RL/Regulator Review Draft A WI for 118-D-4	2/4/2009	3/4/2009
	RL/Reg Sign Rev. 0 Closure Doc for 118-D-1	2/11/2009	2/19/2009
<b>100-H</b>			
	DOE/EPA/Review & Approval AMP	2/12/2007	3/12/2007
	RL/Reg Approve/Signature Rev. 0 WI 128-H-2	2/16/2007	3/30/2007
	RL/Reg Approve/Sign Rev. 0 WI 128-H-3	2/16/2007	3/30/2007
	100-H DOE Review Bid	4/18/2007	5/17/2007
	100-H Award Subcontract -	5/17/2007	5/17/2007
	RL/Regulator Review Draft A WI for 116-H-9	11/29/2007	12/31/2007
	RL/Regulator Review Draft A WI for 600-152	12/26/2007	1/23/2008
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	RL/Regulator Sign Rev. 0 WI for 600-152	2/4/2008	2/11/2008
	RL/Regulator Review Draft A WI for 116-H-5	3/11/2008	4/7/2008
	RL/Regulator Review Draft A WI for 100H Mud D	3/12/2008	4/8/2008
	RL/Regulator Sign Rev. 0 WI for 116-H-5	4/16/2008	4/23/2008
	RL/Regulator Sign Rev. 0 WI for 100H Mud Daub	4/17/2008	4/24/2008
	RL/Reg Review Draft A Closure Doc for 100-H-28:2	8/14/2008	9/27/2008
	RL/Reg Review Draft A Closure Doc for 100-H-28:3	8/20/2008	10/3/2008
	RL/Reg Review Draft A Closure Doc for 100-H-28:4	8/23/2008	10/9/2008
	RL/Regulator Review Draft A WI for 118-H-1	8/25/2008	9/22/2008
	RL/Regulator Review Draft A WI for 118-H-6	8/26/2008	9/23/2008
	RL/Reg Review Draft A Closure Doc for 100-H-28:5	8/29/2008	10/15/2008
	RL/Reg Review Draft A Closure Doc for 100-H-3	9/5/2008	10/18/2008
	RL/Reg Review Draft A Closure Doc for 100-H-4	9/11/2008	10/24/2008
	RL/Regulator Review Draft A WI for 100-H-33	9/17/2008	10/14/2008
	RL/Reg Review Draft A Closure Doc for 100-H-7	9/17/2008	10/30/2008
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	RL/Reg Review Draft A Closure Doc for 116-H-9	10/2/2008	11/17/2008
	RL/Reg Review Draft A Closure Doc for 1607-H3	10/8/2008	11/20/2008
	RL/Reg Sign Rev. 0 Closure Doc for 100-H-28:2	10/22/2008	10/29/2008
	RL/Regulator Sign Rev. 0 WI for 100-H-33	10/23/2008	10/30/2008
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	RL/Reg Review Draft A Closure Doc for 600-152	10/27/2008	12/11/2008
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**Field Remediation**  
**Sample Design and Cleanup Verification for the February 2007 UMM**

AREA	DOE-RL/REGULATOR DELIVERABLE	START	FINISH
<b>100-H Continued</b>			
	RL/Reg Sign Rev. 0 Closure Doc for 100-H-28:5	11/6/2008	11/13/2008
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	RL/Reg Sign Rev. 0 Closure Doc for 100-H-3	11/12/2008	11/19/2008
	RL/Regulator Review Draft A WI for 118-H-5	11/12/2008	12/11/2008
	RL/Reg Sign Rev. 0 Closure Doc for 100-H-4	11/15/2008	11/27/2008
	RL/Reg Sign Rev. 0 Closure Doc for 100-H-7	11/26/2008	12/3/2008
	RL/Reg Sign Rev. 0 Closure Doc for 128-H-2	11/29/2008	12/6/2008
	RL/Reg Sign Rev. 0 Closure Doc for 128-H-3	12/5/2008	12/12/2008
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	RL/Reg Sign Rev. 0 Closure Doc for 116-H-9	12/11/2008	12/18/2008
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	RL/Reg Sign Rev. 0 Closure Doc for 1607-H3	12/17/2008	12/26/2008
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	RL/Reg Sign Rev. 0 Closure Doc for 600-152	1/8/2009	1/15/2009
	RL/Reg Sign Rev. 0 Closure Doc for 116-H-5	3/16/2009	3/23/2009
	RL/Reg Sign Rev. 0 Closure Doc for 100H Mud D	3/16/2009	3/23/2009
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	Public Review of Draft B 100 Area ESD	5/17/2007	7/11/2007
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	RL/Regulator Review Draft A WI for 100-N-53	4/2/2008	4/26/2008
	RL/Regulator Review Draft A WI for 100-N-55	4/9/2008	5/3/2008
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	RL/Regulator Review Draft A WI for 100-N-66	4/23/2008	5/17/2008
	RL/Regulator Review Draft A WI for 100-N-68	4/30/2008	5/24/2008
	RL/Regulator Sign Rev. 0 WI for 100-N-28	5/1/2008	5/8/2008
	RL/Regulator Review Draft A WI for 100-N-79	5/7/2008	6/4/2008
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	RL/Regulator Sign Rev. 0 WI for 100-N-65	5/22/2008	5/30/2008
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	RL/Regulator Sign Rev. 0 WI for 100-N-79	6/13/2008	6/20/2008
	RL/Regulator Sign Rev. 0 WI 100-N-62 Pipes	6/20/2008	6/27/2008
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	RL/Regulator Sign Rev. 0 WI 100N Misc Pipe	9/19/2008	9/26/2008
	RL/Reg Review Draft A Closure Doc for 100-N-28	2/19/2009	4/2/2009
	RL/Reg Review Draft A Closure Doc for 100-N-53	2/26/2009	4/9/2009
	RL/Reg Review Draft A Closure Doc for 100-N-55	3/4/2009	4/16/2009

## **Attachment 3**





Start Date 29AUG05  
 Finish Date 16APR07  
 Data Date 08JAN07  
 Run Date 09JAN07 14:32

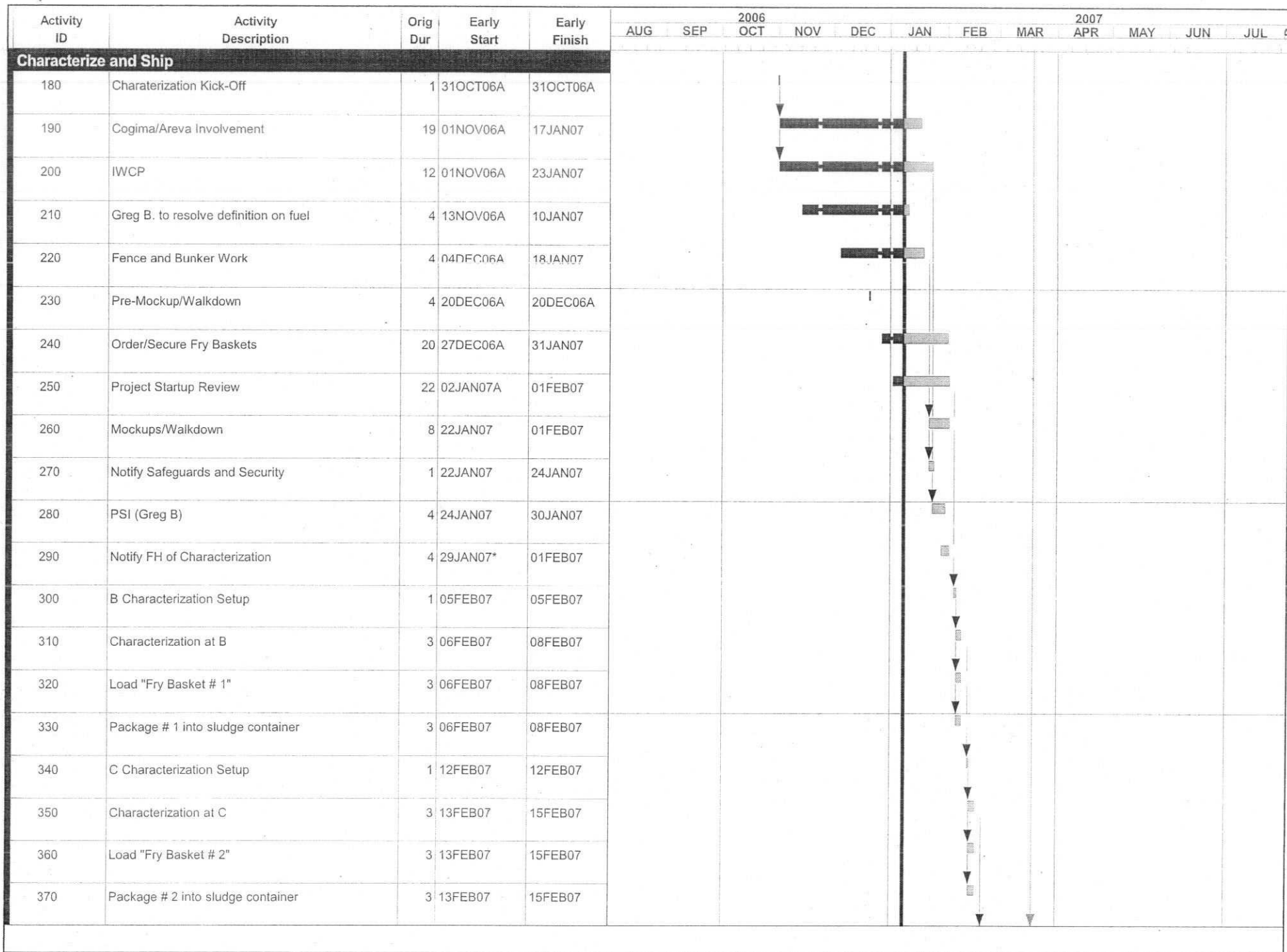
■ Early Bar  
 ■ Progress Bar  
 ■ Critical Activity

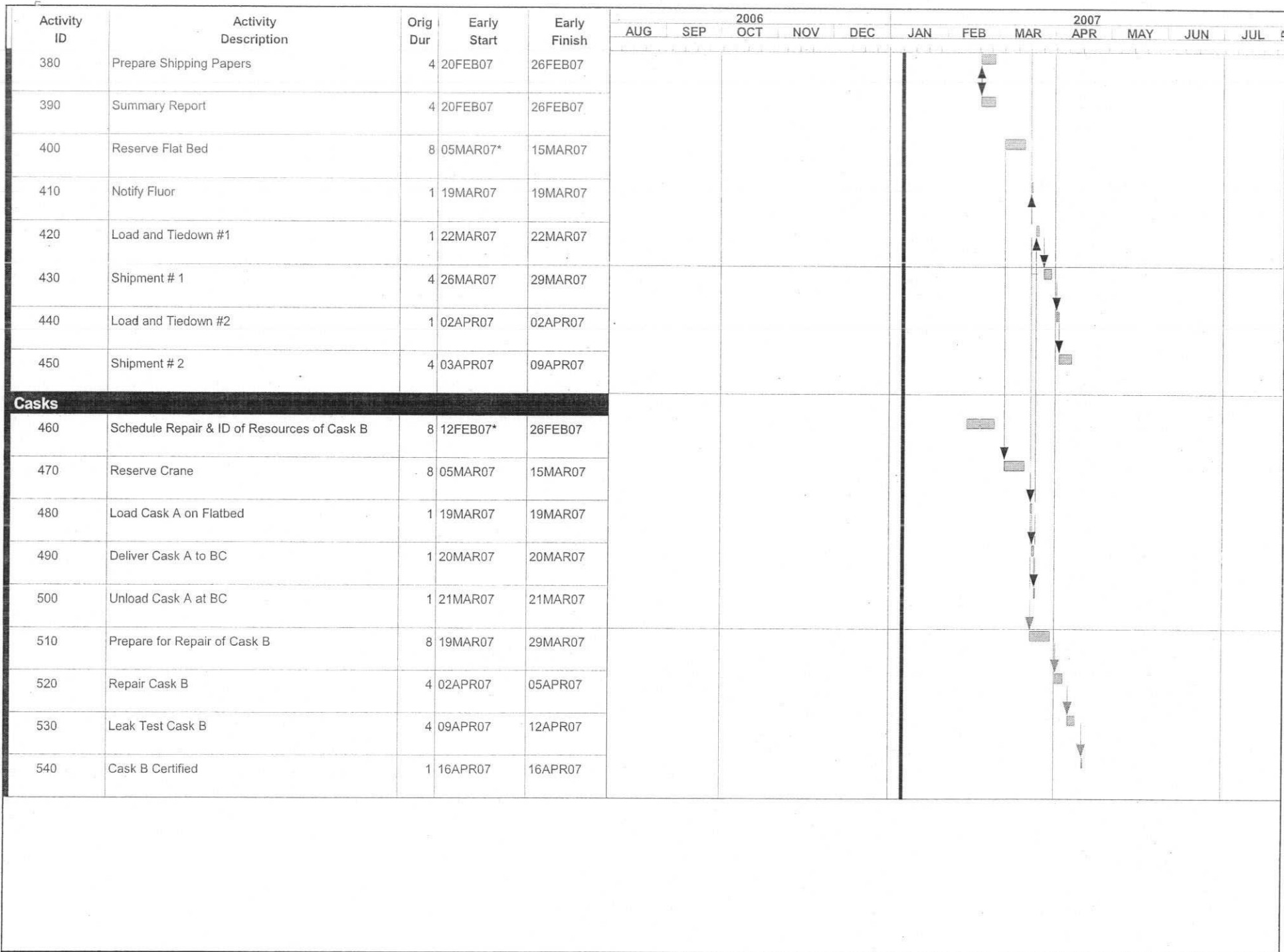
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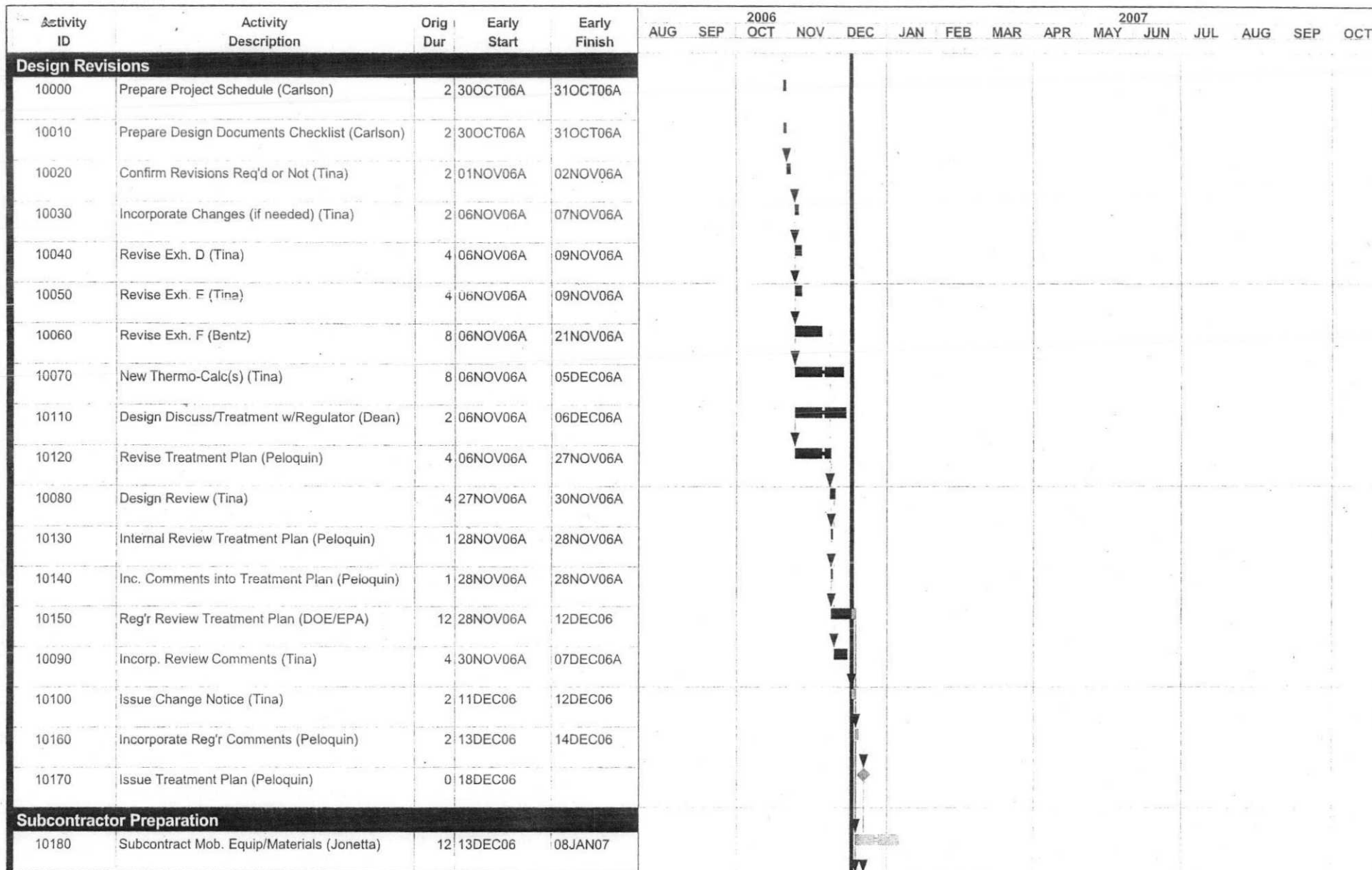
Sheet 1 of 3

WCH  
 Spent Nuclear Fuel Transfer









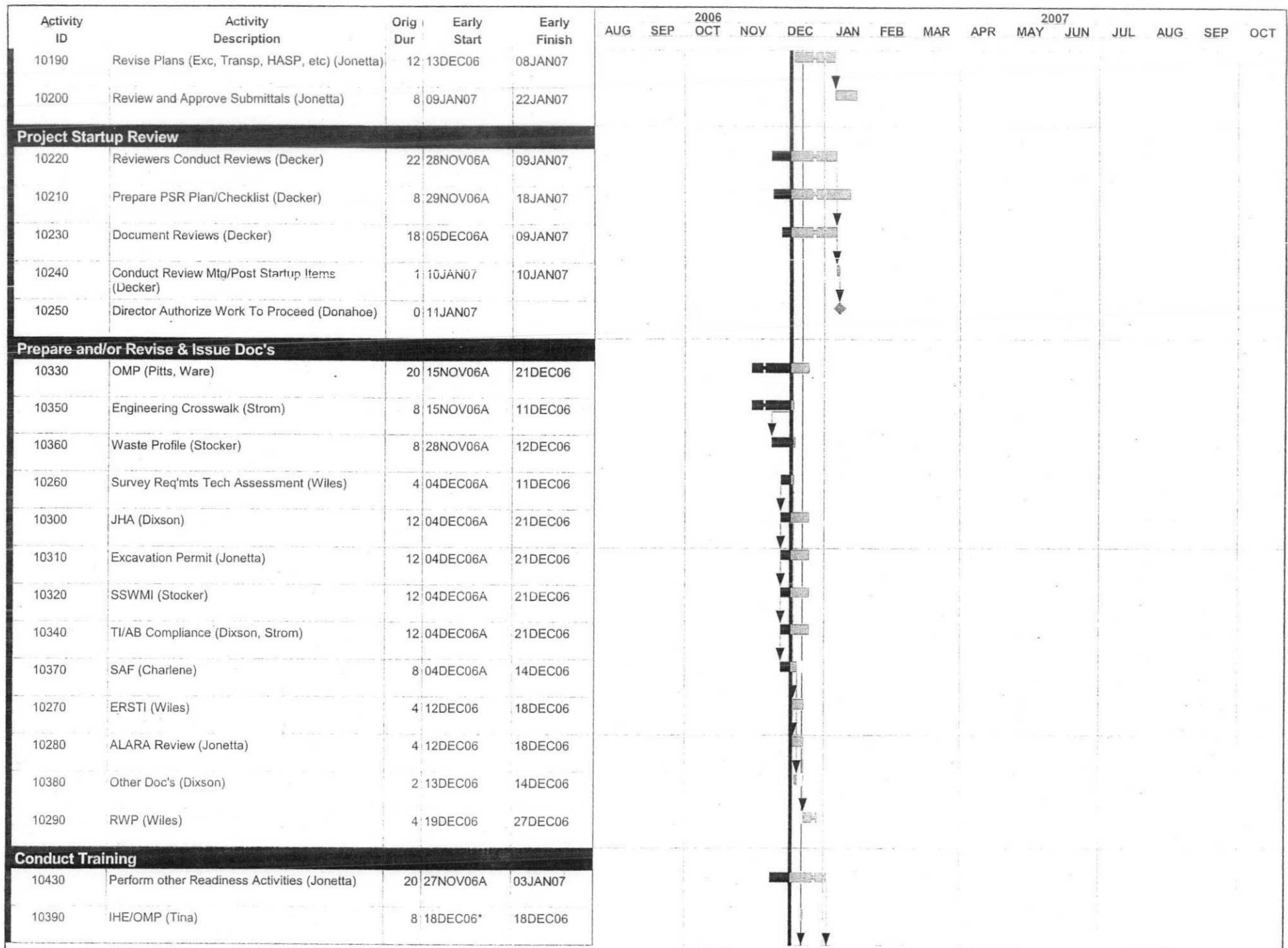
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 Data Date 11DEC06  
 Run Date 31JAN07 15:08

Early Bar  
 Progress Bar  
 Critical Activity

R1C3

Sheet 1 of 5

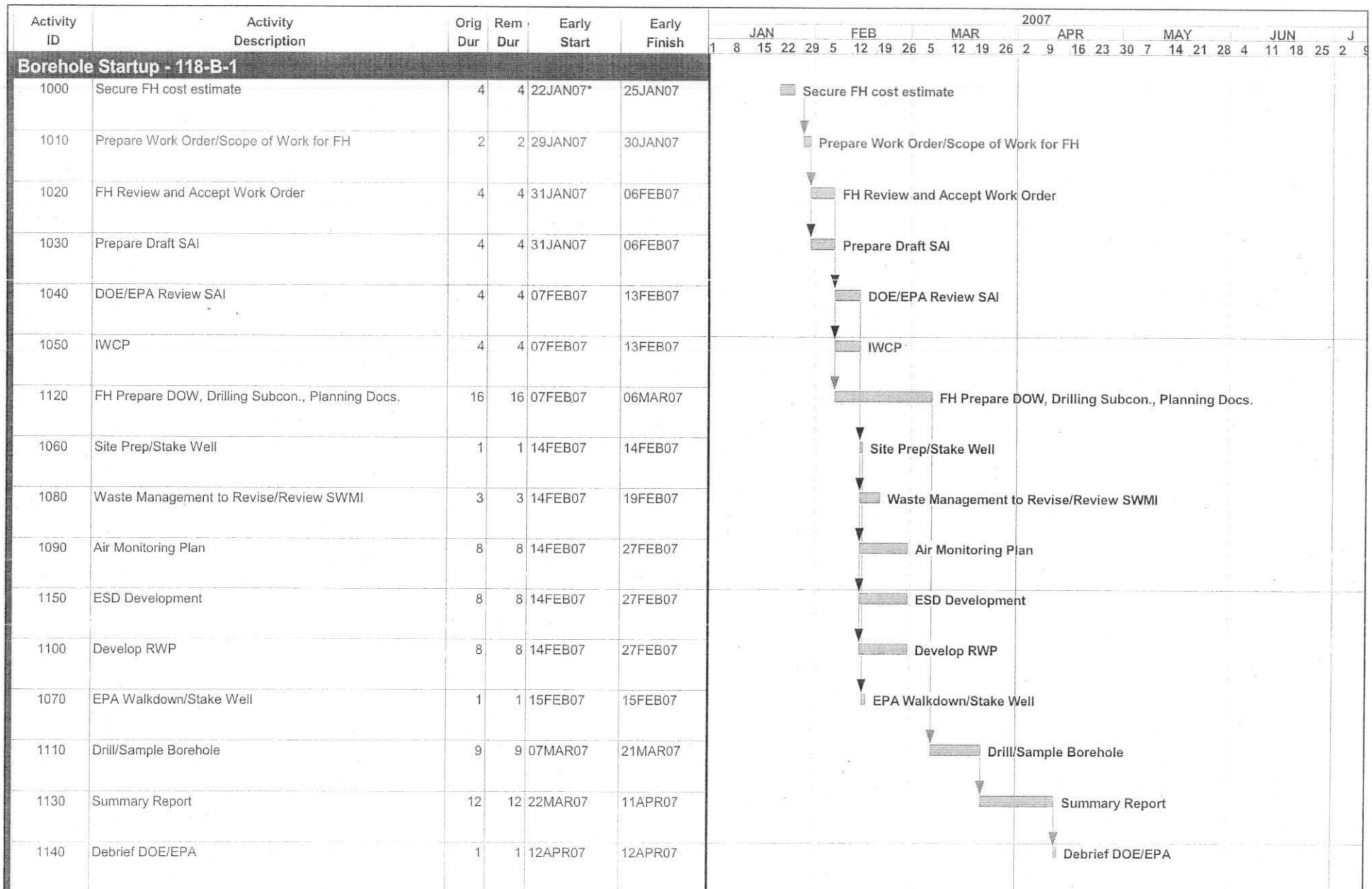
WCH  
 116-C-3 Remediation







Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	2006												2007				
					AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT		
10770	Internal Review (Lorna)	2	08MAY07	09MAY07																	
10780	Incorp. Comments (Lorna)	2	10MAY07	14MAY07																	
10790	Prepare Draft & Submittal (Lorna)	2	15MAY07	16MAY07																	
10800	Submit Draft A to RL/EPA (Lorna)	0	17MAY07																		
10810	RL/EPA Review (Lorna)	24	17MAY07	28JUN07																	
10820	Inc. Comments (Lorna)	3	02JUL07	05JUL07																	
10830	RL/EPA Sign (Lorna)	1	09JUL07	09JUL07																	
10840	Issue RSVP (Lorna)	0	10JUL07																		



Start Date 01JAN07  
 Finish Date 12APR07  
 Data Date 01JAN07  
 Run Date 23JAN07 07:39

Early Bar  
 Progress Bar  
 Critical Activity

BORE

WCH

118-B-1 Borehole

Classic Schedule Layout

Sheet 1 of 1

Date	Revision	Checked	Approved


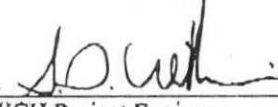
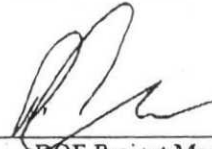
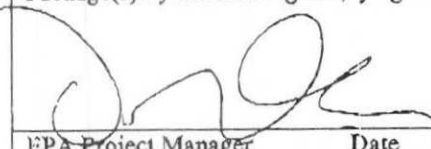


- 118-B-1:
- Recovery plan for tritium: Nearly 1,000 tritium samples taken of various facilities, equipment, vehicles and all results were below the action level of 10,000 dpm/100 cm<sup>2</sup>. Approximately two days of surveying within the CMD trailer remain.
  - Tritium bore hole: See schedule.
  - Hg soil loadout will be initiated 2-09-07.
  - Anomaly work is currently on hold. A total of 40 containers remain.
  - SNF characterization: See schedule.
- Backfill:
- Backfill of 128-B-3, 118-B-6, 118-C-1, 100-B-14, and 100-C-9 will complete next week.
- 116-C-3:
- Our current subcontractor has determined that they do not have the expertise to successfully and safely execute this work. We are currently securing another subcontractor for this work.
  - See schedule.
- Miscellaneous:
- 100-C-7 characterization support - potholing, prep work.
  - 1607-B1 Septic - characterization support.

## **Attachment 4**

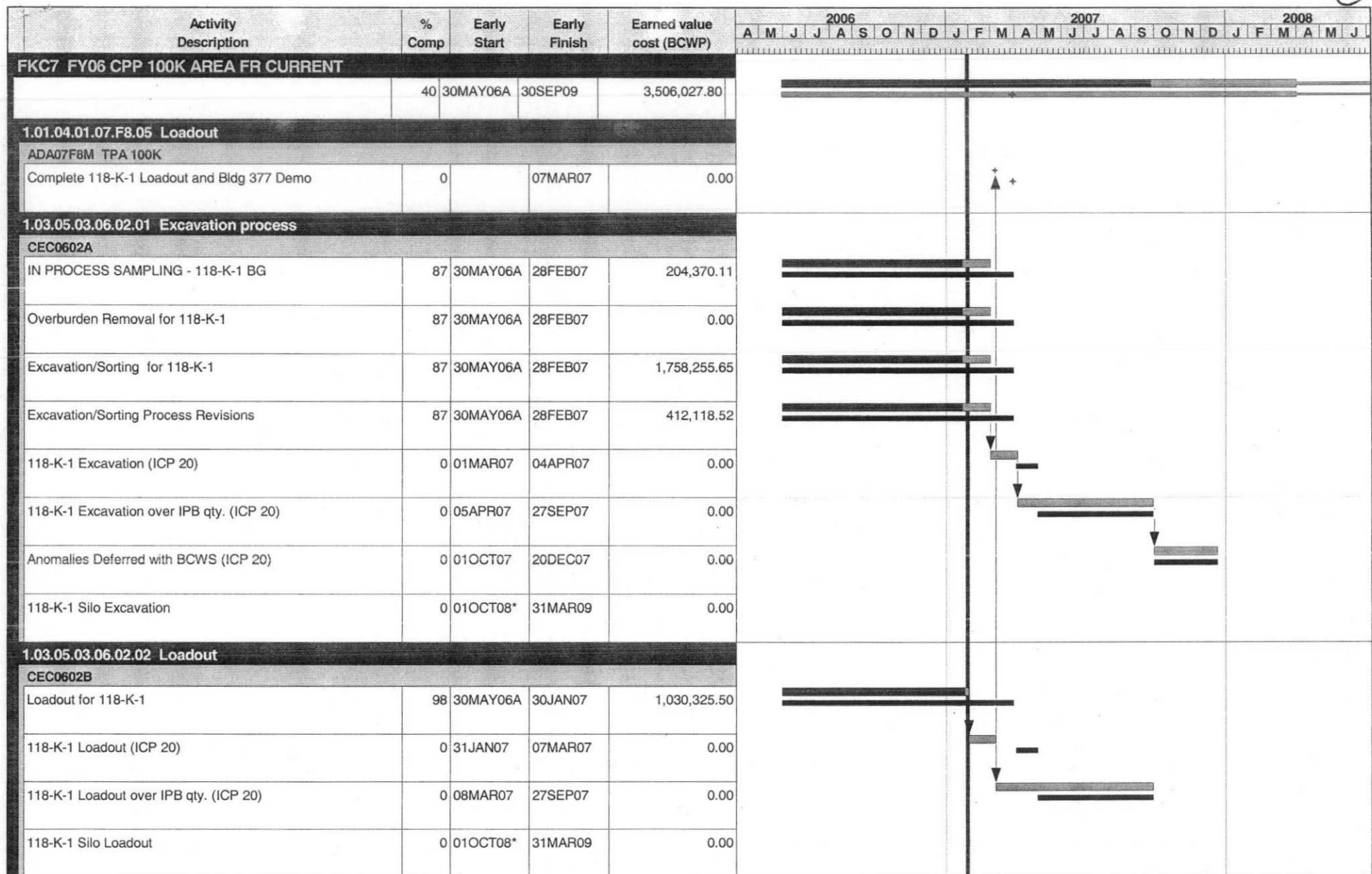


Waste Site: 118-C-1 Burial Ground		<b>BACKFILL CONCURRENCE CHECKLIST</b> (Concurrence to Proceed with Waste Site Backfill Operations)		WIDS No: 118-C-1	
This checklist is a summary of cleanup verification results for the 118-C-1 Burial Ground. The checklist is intended as an agreement allowing the RCCC subcontractor to backfill the excavation prior to the issuance of the final remaining sites verification package. Copies of calculations are included with this checklist with results summarized below.					
Regulatory Requirement	Remedial Action Goals (RAG)	Results	RAG Attained	Attach.	
Direct Exposure – Radionuclides	1. Attain 15 mrem/yr dose rate above background over 1,000 years.	1. Maximum predicted dose rates for each sampling area at the 118-C-1 site are below 15 mrem/yr. Inclusion of one carbon-14 result for the staging pile area would result in an overly conservative calculated dose rate; therefore, soil associated with this result will be backfilled to deep zone portions of the site.	Yes	E	
Direct Exposure – Nonradionuclides	1. Attain individual RAGs.	1. Polycyclic aromatic hydrocarbons were detected above the direct exposure RAGs in a verification sample at 118-C-1 staging pile area, but determined to be the result of asphalt cross-contamination. Asphalt that has been used for structural and construction purposes is excluded from consideration as a dangerous waste, is listed as an inert solid waste, and does not present a significant health risk for this waste site. All other individual COC/COPC concentrations are below the direct exposure criteria.	Yes	A, B, C.	
Nonradionuclide Risk Requirements	1. Attain hazard quotient of less than 1 for noncarcinogens.	1. The hazard quotients for individual nonradionuclide COCs/COPCs are less than 1.	Yes	D	
	2. Attain cumulative hazard quotient of less than 1 for noncarcinogens.	2. The cumulative hazard quotient for all sampling areas ( $1.6 \times 10^{-1}$ ) is less than 1.		D	
	3. Attain excess cancer risk of $<1 \times 10^{-6}$ for individual carcinogens.	3. Excess cancer risk values for individual nonradionuclide COCs/COPCs are less than $1 \times 10^{-6}$ .		D	
	4. Attain a total excess cancer risk of $<1 \times 10^{-5}$ for carcinogens.	4. The total excess carcinogenic risk for all sampling areas ( $1.6 \times 10^{-6}$ ) is less than $1 \times 10^{-5}$ .		D	
Groundwater/River Protection – Radionuclides	1. Attain single COC groundwater & river RAGs.	1. Among the radionuclide COCs, cesium-137, cobalt-60, nickel-63, strontium-90 and tritium are calculated to reach groundwater at concentrations significantly below the RAGs.	Yes	F	
	2. Attain National Primary Drinking Water Regulations 4 mrem/yr (beta/gamma) dose standard to target receptor/organ.	2. The maximum calculated drinking water dose from beta/gamma-emitting radionuclides is less than 4 mrem/yr.	Yes	F	
	3. Meet drinking water standards for alpha emitters: the more stringent of 15 pCi/L MCL or 1/25 <sup>th</sup> of the derived concentration guide for DOE Order 5400.5.	3. No alpha-emitting radionuclide COC/COPCs were detected in verification soil samples.	Yes	A, C	
	4. Meet total uranium standard of 21.2 pCi/L.	4. No uranium isotopes were detected above background levels in verification soil samples.	Yes	A, C	

Waste Site: 118-C-1 Burial Ground		<b>BACKFILL CONCURRENCE CHECKLIST</b> (Concurrence to Proceed with Waste Site Backfill Operations)		WIDS No: 118-C-1	
Regulatory Requirement	Remedial Action Goals (RAG)	Results	RAG Attained	Ref.	
Groundwater/River Protection – Nonradionuclides	1. Attain individual nonradionuclide groundwater and river cleanup requirements.	1. Residual concentrations of multiple metals and organic compounds exceeded soil RAGs for the protection of groundwater and/or the Columbia River. However, none of these constituents is predicted to migrate to groundwater (and thus the Columbia River) at concentrations exceeding groundwater or river criteria within 1,000 years. Therefore, residual concentrations achieve the remedial action objectives for groundwater and river protection.	Yes	A	
Other Supporting Information	1. Site-Specific Close-out Approach			G	
	2. Sampling Design			H	
	3. Sample Area Layout			I	
All citations above and attached sheets are on record with Washington Closure Hanford, Records and Document Control. Above noted regulatory requirements have been attained.					
<div style="display: flex; justify-content: space-between;"> <div>   D.N. Strom  WCH Manager </div> <div>   J.O. Webb  WCH Project Engineer </div> <div>   DOE Project Manager </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div>12/14/06</div> <div>12/14/06</div> <div>12/13/06</div> </div>					
<p>Given the attached information, DOE can proceed with backfill of the site with minimal risk. Final approval that the site has met remedial action objectives and goals will occur with the submittal, review, and approval of the Remaining Sites Verification Package(s) by the lead regulatory agency.</p> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div>   EPA Project Manager </div> <div> 12/13/06  N/A  Ecology Project Manager </div> <div> N/A  Date </div> </div>					

## **Attachment 5**

5



Activity Description	% Comp	Early Start	Early Finish	Earned value cost (BCWP)	2006												2007												2008											
					A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J									
1.03.05.03.06.02.03 Backfill																																								
+ CEC0602C Backfill 118-K-1																																								
	0	02JAN08	30SEP09	0.00																																				
1.03.05.03.06.02.04 Closeout Sampling & Documentation																																								
+ CEC0602D																																								
	0	01OCT07	30JUN09	0.00																																				
1.03.05.75.25.01.01 Fld. Rem.-100K Non Site Specific Support																																								
+ CER2501A3 100K Area Non Site Specific FY07																																								
	57	14SEP06A	27SEP07	100,958.02																																				

## **Attachment 6**



Golden, James W

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**From:** Parnell, Scott E  
**Sent:** Thursday, February 08, 2007 12:34 PM  
**To:** Golden, James W  
**Cc:** Donnelly, Jack W  
**Subject:** Today's UMM

Jim,

I won't be making today's UMM. Please provide the following update for the 618-10/11 project.

The design solution was submitted to RL Wednesday January 31.

Thanks  
Scott

300 Area Field Remediation Status  
February 8, 2007

- Mobilization for 618-7 Burial Ground remediation continues. A final date for start of remediation will be set after impacts of the recent events at other sites have been evaluated and any corrective actions and Lessons Learned disseminated.
- Readiness for remediation is TBD.

## **Attachment 7**

100 Area D4 Status  
February 8, 2007  
100/300 Area Combined Unit Manager Meeting

**Ongoing Demolition Activities**

- 163-N/183-N – Above grade demolition complete, Below grade on 163N continuing. Load-out postponed due to ERDF compaction analysis.
- MO-050/MO-358 – Above grade demolition complete, load-out postponed due to ERDF compaction analysis.
- 1312-N LERF - Liner removal.

**60-Day Project Look Ahead**

- 107-N Tank resin removal.
- 1705N/NA and 1706N/NA load-out.
- 182-N Asbestos removal.
- 184-N/NA Hazardous material removal.
- Remaining 1802N Pipe to be shipped to ERDF.
- 11N and 13N pad demolition.
- DOE and Ecology approval of 100-N Ancillary Facilities Waste Characterization SAP.

## **Attachment 8**

300 Area D4 Status  
February 8, 2007  
100/300 Area Combined Unit Manager Meeting

**Characterization/ Hazardous Material Removal**

- 3706 – Hazardous material removal is ongoing.
- 3720 – Hazardous material removal is ongoing.
- 324 – Hazardous material removal is ongoing.
- 327 – Hazardous material removal is ongoing.
- 3718E – Hazardous material removal is completed.
- 3731/3731A – Hazardous material removal is completed.
- 3707-H – Hazardous material removal is completed.

**Ongoing Demolition Activities**

- 305/ 305-B - need to backfill
- 333 – size reducing debris in preparation for load out/disposal
- 306W – is planned to begin once the demolition debris backlog is worked off.
- 306E – load out is on hold.

**60-Day Project Look Ahead**

- Complete building debris load out from 333, 306E, and 306W
- Begin demolition of 3731, 3731A, 3707-H, and 3718E.
- Begin hazardous material removal at 3709, 3745, 3745A, 3745B, 3746, and 3746A
- Address DOE and EPA comments on revision to RAWP #1 (consolidated scope from Action Memo #1, #2, and #3).
- Complete installation of temporary fencing around the southern portion of the 300 Area.
- Complete 305 and 305-B backfill

## **Attachment 9**

100/300 Area Unit Manager Meeting  
February 8, 2007  
RISS Status Report

105-KE/105-KW Reactor Facilities and Ancillary Facilities:

- Action Memo:       Approved 1/4/07
- RAWP:               Approved 2/5/07

105-N/109-N:

- Asbestos/Hazardous Material Removal Subcontract
  - Awarded to NetCompliance Services-Performance Abatement Services (NCES-PAS)
  - Kick-off meeting held 2/6/07



## **Attachment 10**

**End State and Final Closure  
February 2007 UMM Status**

**Orphan Sites Evaluations**

- Conducting historical review of 100-H Area ← 08
- Initiated field investigation of 100-IU-6
- 98% complete with 100-IU-2 field investigation (on standby pending Eagle nesting)
- Continuing planning efforts for inter-areas evaluation (122,000 acres)

**Upcoming Actions**

- RL and Ecology review of draft *100-D Area Orphan Sites Evaluation Summary Report* – 2/13 through 3/16

**Long-Term Stewardship**

**Upcoming Actions**

- Regulator review of draft *Planning for the Transition to Long-Term Stewardship Under the River Corridor Closure Contract* – 2/26 through 4/6.

**End State and Final Closure  
Risk Assessment Status  
February 8, 2007**

**General Status**

**100/300 Area RCBRA Component**

- Work continues on completion of the 100 Area and 300 Area Component of the RCBRA. A workshop to discuss risk assessment observations and data questions with Tri-Parties and stakeholders will be held on March 21, 2007. The web-based risk assessment data interface is available – Contact Steve Weiss for access.

**Inter-Areas**

- Rev. 1 of the SAP (DOE/RL-2005-42) received final approval.
- Sampling activities are in progress – Pore-water, surface water, sediment, surface water in progress; Electro-fishing and mussel sampling are the next collection activities.

**Columbia River Component**

- WCH submitted an estimate to RL for completing the work plan, scoping DQO, and scoping study sampling plan. RL is developing a response.

**RCC End State and Final Closure Project**  
**Risk Assessment - Document and Involvement Look Ahead**  
**February-07**

Task	Document	Activity	Status	Target Start Date	Regulator Review	Target End Date
<b>100 &amp; 300 Area Component</b>	100 Area and 300 Area Component of the RCBRA	Risk Assessment Report in Development	In Progress	1-Apr-06	1-Jul-07	22-Oct-07
<b>Columbia River Component</b>	Risk Assessment Work Plan, Scoping	WCH Submitted Scope, Schedule, Resource Estimate for WP completion and scoping study	Pending	TBD	TBD	TBD
<b>Inter-Areas</b>	Inter Areas SAP Addendum	SAP Rev. 1 Approved	Complete	2-Aug-06	Aug 1,2006 - Sept 14, 2006	28-Apr-55
<b>Integration</b>	Integrated Strategy for Achieving Final Cleanup Decisions	Anticipated to be published as a Rev. 0 document	In Progress	3-Oct-05	stakeholders - Nov. 9 - Mid Jan	TBD
<b>Meetings/ Workshops</b>		Trustee Call-in/Project Managers	Planned	8-Feb-07		
		Risk Assessment Project Managers	Planned	22-Feb-07		
		Trustee Call-in/Project Managers	Planned	8-Mar-07		
		Risk Assessment Project Managers	Planned	22-Mar-07		
		Trustee Call-in/Project Managers	Planned	12-Apr-07		
		Risk Assessment Project Managers	Planned	26-Apr-07		
		Trustee Call-in/Project Managers	Planned	10-May-07		
		Risk Assessment Project Managers	Planned	24-May-07		
		Trustee Call-in/Project Managers	Planned	14-Jun-07		
		Risk Assessment Project Managers	Planned	28-Jun-07		
		103 Area and 300 Area Risk Assessment Workshop	Planned	21-Mar-07	In Richland	

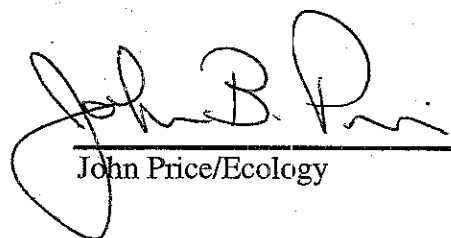
## **Attachment 11**

UMM


**Date:** February 8, 2007

**Project:** Inter-Areas Shoreline Risk Assessment

**Agreement:** In January, a surface water sample collected at a slough east of Energy Northwest (RCBRA 5c Aq, DOE/RL-2005-42, Rev. 1) arrived at the laboratory with two sample bottles broken. Agreement was reached among the regulatory agencies and the contractor that the most efficient and effective solution was to recollect those two samples. These samples were collected on February 5, 2007 and will be shipped to the laboratory February 8, 2007.

  
John Price/Ecology

8-February-2007  
Date

  
Larry Gadbois/EPA

8-Feb, 2007  
Date